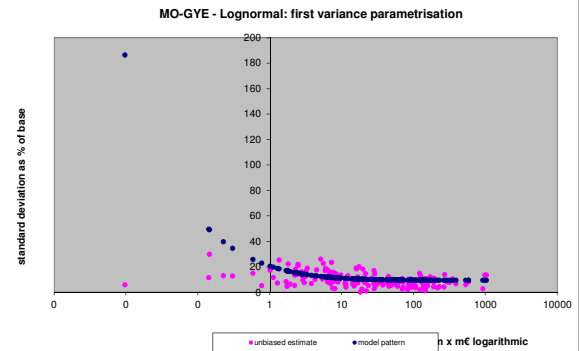
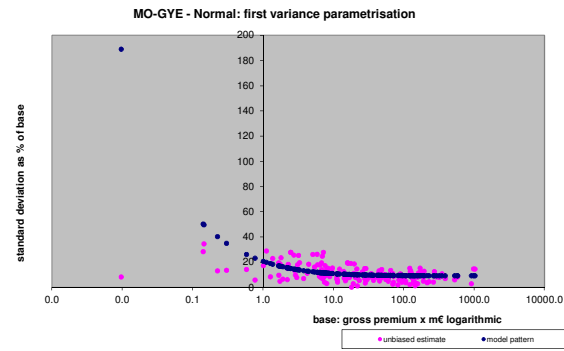
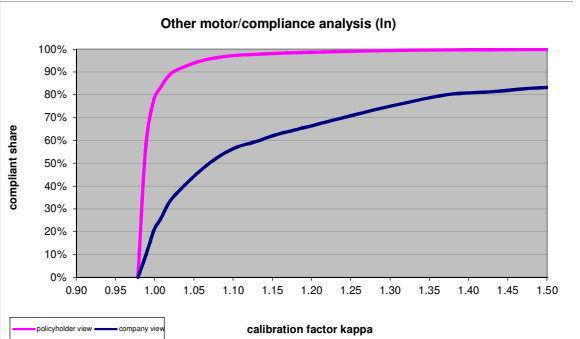
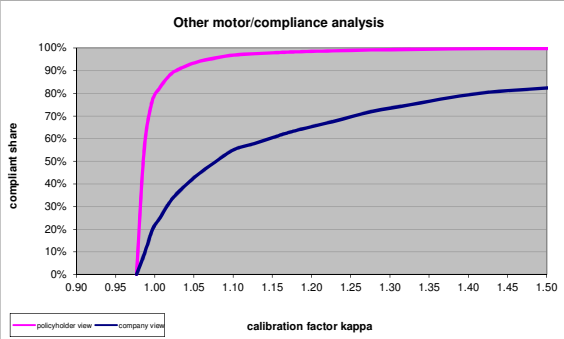
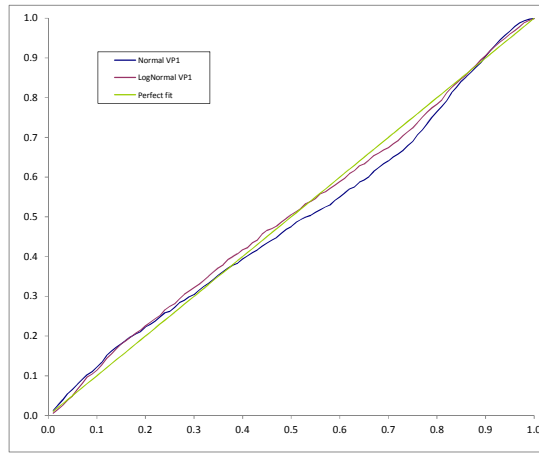


Motor other - Gross year end loss concept

| Motor other | | Gross year end loss concept | | | | | | MO-GYE |
|-----------------|---------------|-----------------------------|-------------|--------------------|----------|----------|----------------|--------|
| cfused | 1.059 | minimum | maximum | threshold | | | unbiased sigma | |
| cvused | 0.018 | -5.66 | 10.94 | 3.25 | | | 0.108 | |
| mean x | 87 | | | | | | Normal | |
| Minimise | 1.111 | specific parameters | sample size | standard deviation | skewness | kurtosis | | |
| delta | 0.889 | 185 | 1710 | 0.01 | 1.00 | 2.3 | 25.2 | |
| sigma | 0.102 | | | | | | | |
| cfused | 1.057 | minimum | maximum | threshold | | | unbiased sigma | |
| cvused | 0.018 | -3.28 | 3.92 | 3.24 | | | 0.094 | |
| mean x | 87 | | | | | | Normal | |
| Minimise | 0.893 | specific parameters | sample size | standard deviation | skewness | kurtosis | | |
| delta | 0.945 | 175 | 1666 | 0.01 | 1.00 | 0.6 | 4.1 | |
| sigma | 0.089 | | | | | | | |
| cfused | 1.058 | minimum | maximum | threshold | | | unbiased sigma | |
| cvused | 0.018 | -3.42 | 3.46 | 3.24 | | | 0.092 | |
| mean x | 87 | | | | | | Normal | |
| Minimise | 0.856 | specific parameters | sample size | standard deviation | skewness | kurtosis | | |
| delta | 0.953 | 175 | 1655 | 0.01 | 1.00 | 0.5 | 3.7 | |
| sigma | 0.087 | | | | | | | |
| cfused | 1.057 | minimum | maximum | threshold | | | unbiased sigma | |
| cvused | 0.018 | -3.55 | 3.04 | 3.24 | | | 0.095 | |
| mean x | 87 | | | | | | Lognormal | |
| Minimise | -1.294 | specific parameters | sample size | standard deviation | skewness | kurtosis | | |
| In(sigma) | -2.412 | 175 | 1661 | 0.02 | 1.01 | 0.1 | 3.5 | |
| delta | 0.957 | | | | | | | |
| sigma | 0.090 | | | | | | | |

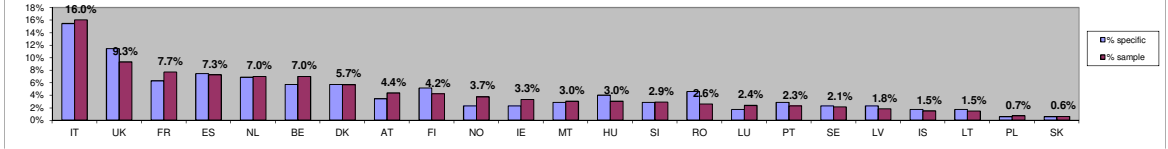


| | mean | median |
|-------------------|-------|--------|
| unbiased estimate | 10.73 | 9.47 |
| model pattern | 12.68 | 9.82 |



| | Population average implied kappa | 1.00 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 0.99 |
| policyholder view | 75% | Kappa 1.00 |
| policyholder view | 90% | Kappa 1.03 |
| policyholder view | 95% | Kappa 1.07 |
| company view | 50% | Kappa 1.08 |
| company view | 65% | Kappa 1.20 |

| | Population average implied kappa | 1.00 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 0.99 |
| policyholder view | 75% | Kappa 1.00 |
| policyholder view | 90% | Kappa 1.02 |
| policyholder view | 95% | Kappa 1.06 |
| company view | 50% | Kappa 1.07 |
| company view | 65% | Kappa 1.18 |



Motor third party liability - Gross year end loss concept

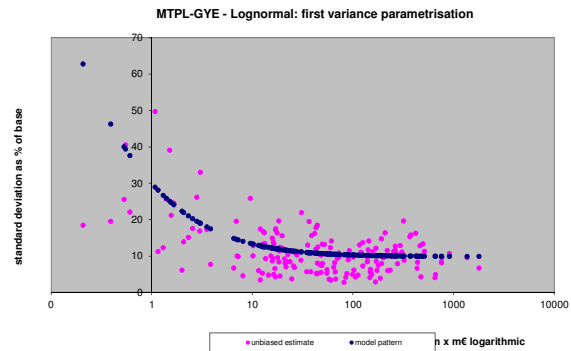
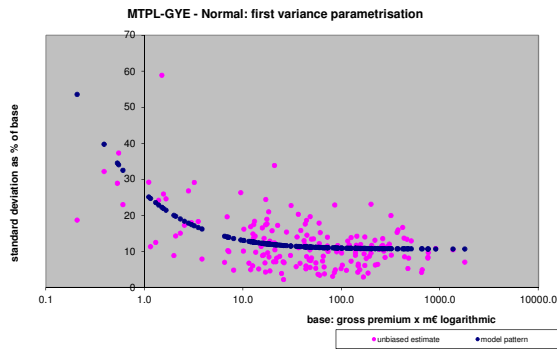
| Motor third party liability | | Gross year end loss concept | | | | | MTPL-GYE |
|-----------------------------|-------|-----------------------------|-------------|--------------------|----------|----------------|----------|
| cfused | 1.057 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.018 | -5.29 | 8.78 | 3.26 | | 0.116 | |
| mean x | 137 | | | | | Normal | |
| Minimise | 1.819 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| delta | 0.858 | 188 | 1782 | 0.01 | 1.00 | 1.5 | |
| sigma | 0.110 | | | | | 14.8 | |

| Motor third party liability | | Gross year end loss concept | | | | | MTPL-GYE |
|-----------------------------|--------|-----------------------------|-------------|--------------------|----------|----------------|----------|
| cfused | 1.057 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.018 | -10.36 | 6.02 | 3.26 | | 0.125 | |
| mean x | 137 | | | | | Lognormal | |
| Minimise | -1.126 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| ln(sigma) | -2.134 | 188 | 1782 | 0.03 | 1.00 | -1.1 | |
| delta | 0.894 | | | | | 15.4 | |
| sigma | 0.118 | | | | | | |

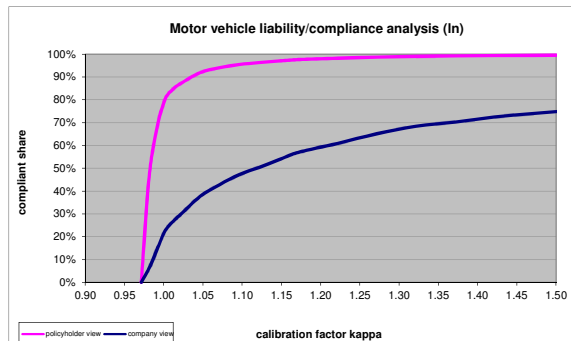
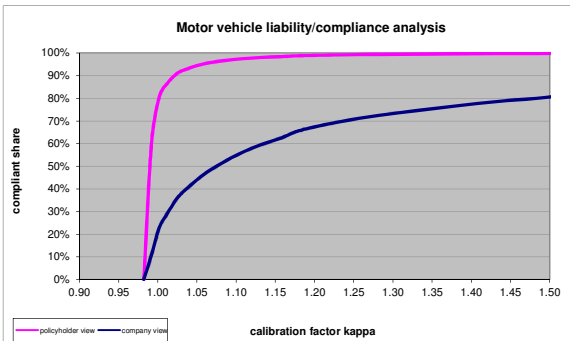
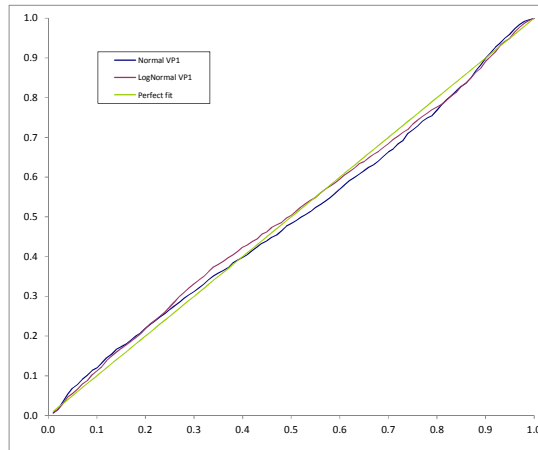
| Motor third party liability | | Gross year end loss concept | | | | | MTPL-GYE |
|-----------------------------|-------|-----------------------------|-------------|--------------------|----------|----------------|----------|
| cfused | 1.055 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.018 | -3.71 | 4.60 | 3.25 | | 0.108 | |
| mean x | 137 | | | | | Normal | |
| Minimise | 1.665 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| delta | 0.935 | 176 | 1734 | 0.00 | 1.00 | 0.4 | |
| sigma | 0.103 | | | | | 4.6 | |

| Motor third party liability | | Gross year end loss concept | | | | | MTPL-GYE |
|-----------------------------|-------|-----------------------------|-------------|--------------------|----------|----------------|----------|
| cfused | 1.056 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.018 | -3.12 | 3.42 | 3.25 | | 0.108 | |
| mean x | 137 | | | | | Normal | |
| Minimise | 1.615 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| delta | 0.964 | 176 | 1721 | 0.00 | 1.00 | 0.3 | |
| sigma | 0.102 | | | | | 3.7 | |

| Motor third party liability | | Gross year end loss concept | | | | | MTPL-GYE |
|-----------------------------|--------|-----------------------------|-------------|--------------------|----------|----------------|----------|
| cfused | 1.056 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.018 | -4.39 | 3.53 | 3.25 | | 0.101 | |
| mean x | 138 | | | | | Lognormal | |
| Minimise | -1.408 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| ln(sigma) | -2.349 | 175 | 1704 | 0.01 | 1.00 | 0.0 | |
| delta | 0.943 | | | | | 3.9 | |
| sigma | 0.095 | | | | | | |

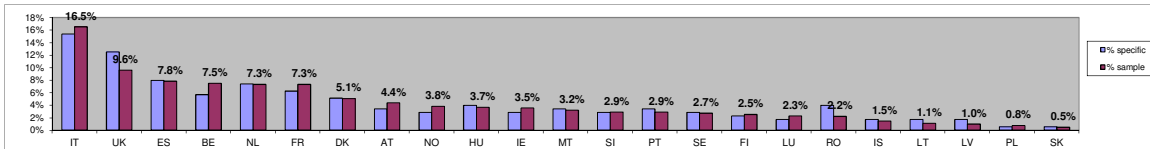


| | mean | median |
|-------------------|-------|--------|
| unbiased estimate | 12.21 | 10.54 |
| model pattern | 12.92 | 11.13 |



| | Population average implied kappa | 1.01 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 0.99 |
| policyholder view | 75% | Kappa 1.00 |
| policyholder view | 90% | Kappa 1.02 |
| policyholder view | 95% | Kappa 1.06 |
| company view | 50% | Kappa 1.08 |
| company view | 65% | Kappa 1.18 |

| | Population average implied kappa | 1.01 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 0.98 |
| policyholder view | 75% | Kappa 1.00 |
| policyholder view | 90% | Kappa 1.04 |
| policyholder view | 95% | Kappa 1.09 |
| company view | 50% | Kappa 1.12 |
| company view | 65% | Kappa 1.27 |



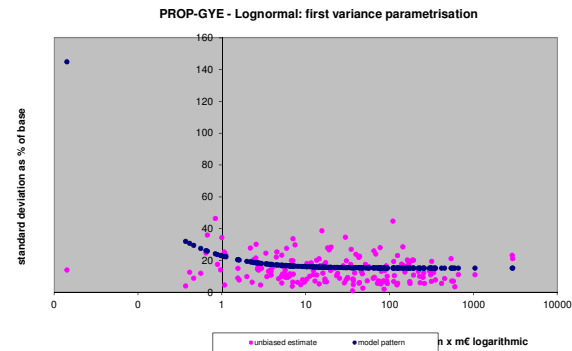
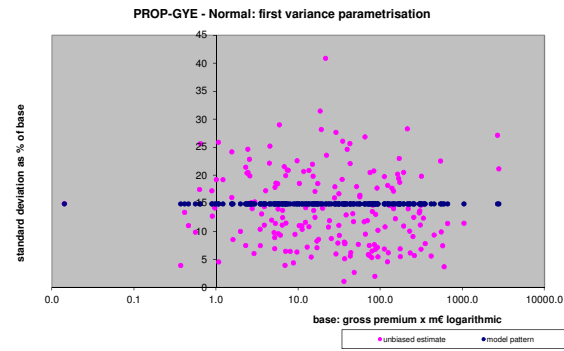
Fire and other damage to property - Gross year end loss concept

| Fire and other damage to property | | Gross year end loss concept | | | | | PROP-GYE |
|-----------------------------------|-------|-----------------------------|-------------|--------------------|----------|----------------|----------|
| cfused | 1.058 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.017 | -4.45 | 10.79 | 3.27 | | 0.259 | |
| mean x | 140 | | | | | Normal | |
| Minimise | 1.875 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| delta | 1.000 | 196 | 1848 | 0.00 | 1.00 | 3.3 | |
| sigma | 0.245 | | | | | 31.1 | |

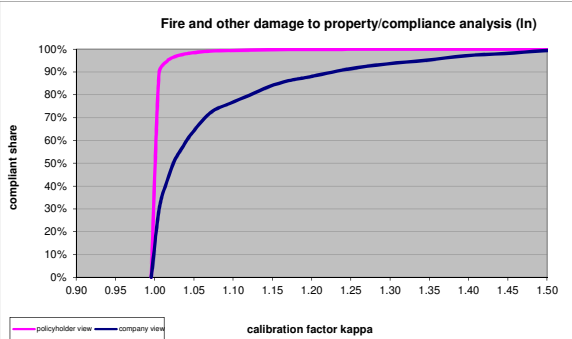
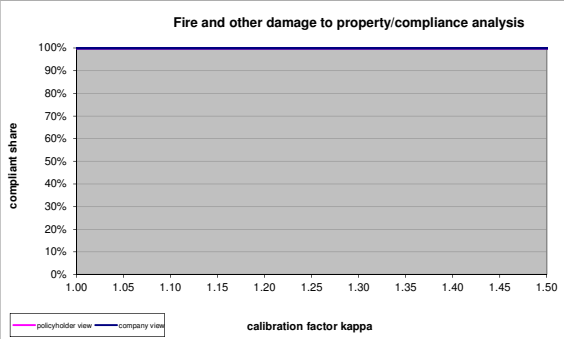
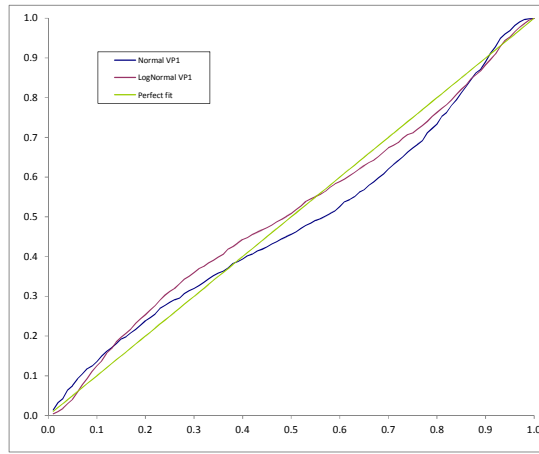
| Fire and other damage to property | | Gross year end loss concept | | | | | PROP-GYE |
|-----------------------------------|-------|-----------------------------|-------------|--------------------|----------|----------------|----------|
| cfused | 1.057 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.018 | -4.74 | 5.29 | 3.26 | | 0.175 | |
| mean x | 140 | | | | | Lognormal | |
| Minimise | 1.496 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| delta | 1.000 | 188 | 1797 | 0.00 | 1.00 | 0.9 | |
| sigma | 0.165 | | | | | 6.7 | |

| Fire and other damage to property | | Gross year end loss concept | | | | | PROP-GYE |
|-----------------------------------|-------|-----------------------------|-------------|--------------------|----------|----------------|----------|
| cfused | 1.058 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.018 | -4.16 | 4.12 | 3.26 | | 0.148 | |
| mean x | 140 | | | | | Normal | |
| Minimise | 1.346 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| delta | 1.000 | 188 | 1767 | 0.00 | 1.00 | 0.7 | |
| sigma | 0.140 | | | | | 4.8 | |

| Fire and other damage to property | | Gross year end loss concept | | | | | PROP-GYE |
|-----------------------------------|-------|-----------------------------|-------------|--------------------|----------|----------------|----------|
| cfused | 1.057 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.018 | -4.42 | 3.75 | 3.26 | | 0.151 | |
| mean x | 138 | | | | | Lognormal | |
| Minimise | 0.666 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| delta | 0.991 | 187 | 1794 | 0.03 | 1.00 | -0.1 | |
| sigma | 0.163 | | | | | 5.9 | |

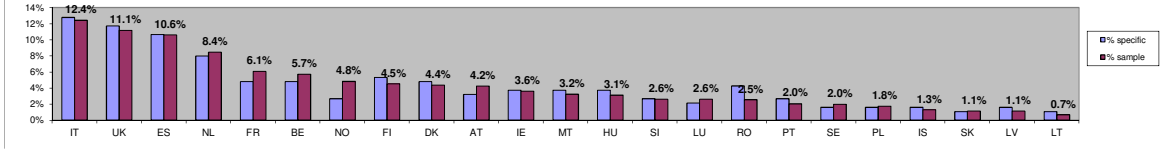


| | mean | median |
|-------------------|-------|--------|
| unbiased estimate | 13.79 | 12.77 |
| model pattern | 14.84 | 14.84 |



| | Population average implied kappa | 1.00 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 1.00 |
| policyholder view | 75% | Kappa 1.00 |
| policyholder view | 90% | Kappa 1.00 |
| policyholder view | 95% | Kappa 1.00 |
| company view | 50% | Kappa 1.00 |
| company view | 65% | Kappa 1.00 |

| | Population average implied kappa | 1.00 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 1.00 |
| policyholder view | 75% | Kappa 1.00 |
| policyholder view | 90% | Kappa 1.01 |
| policyholder view | 95% | Kappa 1.02 |
| company view | 50% | Kappa 1.02 |
| company view | 65% | Kappa 1.05 |



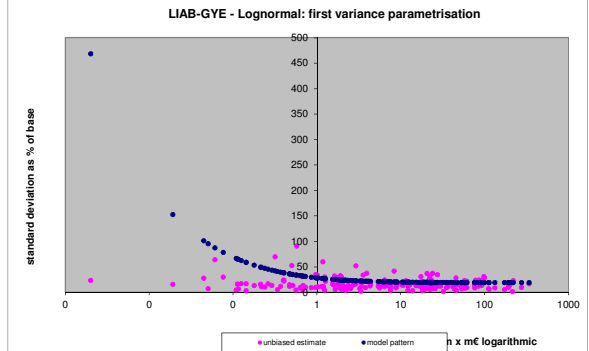
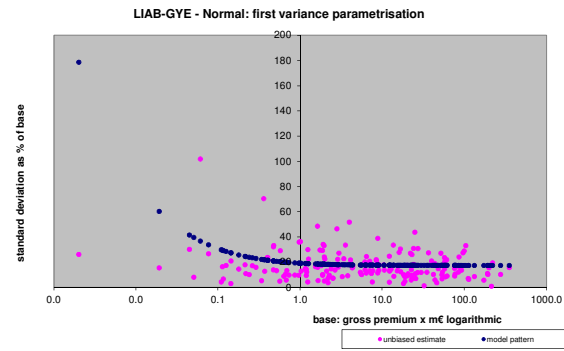
General liability - Gross year end loss concept

| General liability | | Gross year end loss concept | | | | | LIAB-GYE |
|-------------------|-------|-----------------------------|-------------|--------------------|----------|----------------|----------|
| cfused | 1.059 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.018 | -3.83 | 29.81 | 3.25 | | 0.236 | |
| mean x | 31 | | | | | Normal | |
| Minimise | 1.106 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| delta | 0.132 | 187 | 1718 | 0.02 | 1.00 | 15.8 | |
| sigma | 0.222 | | | | | 462.8 | |
| cfused | 1.058 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.018 | -3.74 | 9.04 | 3.24 | | 0.187 | |
| mean x | 30 | | | | | Normal | |
| Minimise | 0.277 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| delta | 0.969 | 180 | 1684 | 0.00 | 1.00 | 1.3 | |
| sigma | 0.177 | | | | | 11.7 | |

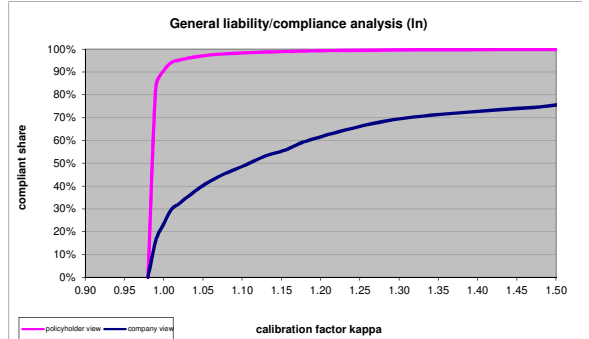
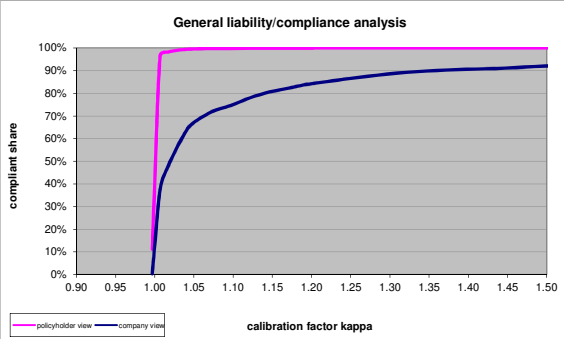
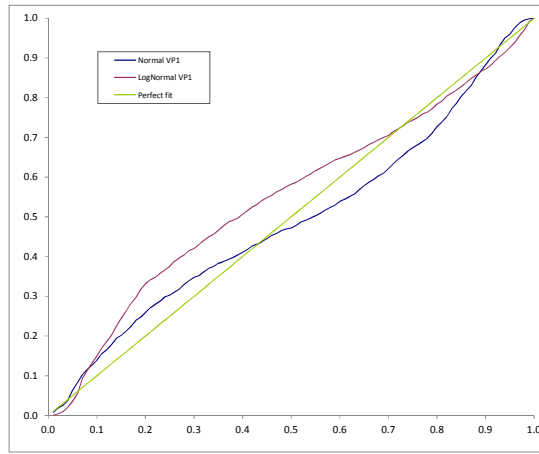
| General liability | | Gross year end loss concept | | | | | LIAB-GYE |
|-------------------|--------|-----------------------------|-------------|--------------------|----------|----------------|----------|
| cfused | 1.059 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.018 | -7.98 | 9.03 | 3.25 | | 0.211 | |
| mean x | 31 | | | | | Lognormal | |
| Minimise | -0.001 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| ln(sigma) | -1.614 | 187 | 1718 | 0.24 | 1.05 | -0.7 | |
| delta | 0.523 | | | | | 11.7 | |
| sigma | 0.199 | | | | | | |
| cfused | 1.059 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.018 | -4.73 | 4.93 | 3.24 | | 0.195 | |
| mean x | 31 | | | | | Lognormal | |
| Minimise | -0.248 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| ln(sigma) | -1.691 | 180 | 1668 | 0.13 | 1.03 | -0.9 | |
| delta | 0.886 | | | | | 6.5 | |
| sigma | 0.184 | | | | | | |

| General liability | | Gross year end loss concept | | | | | LIAB-GYE |
|-------------------|-------|-----------------------------|-------------|--------------------|----------|----------------|----------|
| cfused | 1.059 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.018 | -4.06 | 4.67 | 3.24 | | 0.173 | |
| mean x | 31 | | | | | Normal | |
| Minimise | 0.081 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| delta | 0.993 | 179 | 1658 | 0.00 | 1.00 | 0.5 | |
| sigma | 0.163 | | | | | 5.3 | |

| General liability | | Gross year end loss concept | | | | | LIAB-GYE |
|-------------------|--------|-----------------------------|-------------|--------------------|----------|----------------|----------|
| cfused | 1.059 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.019 | -6.07 | 3.77 | 3.23 | | 0.188 | |
| mean x | 31 | | | | | Lognormal | |
| Minimise | -0.388 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| ln(sigma) | -1.727 | 178 | 1638 | 0.09 | 1.02 | -0.8 | |
| delta | 0.960 | | | | | 6.5 | |
| sigma | 0.178 | | | | | | |

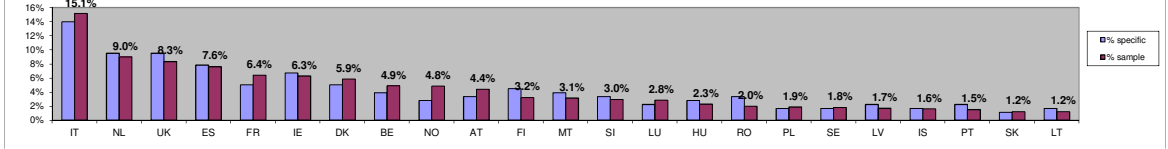


| | mean | median |
|-------------------|-------|--------|
| unbiased estimate | 16.90 | 13.66 |
| model pattern | 20.07 | 17.49 |



| | Population average implied kappa | 1.00 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 1.00 |
| policyholder view | 75% | Kappa 1.00 |
| policyholder view | 90% | Kappa 1.01 |
| policyholder view | 95% | Kappa 1.01 |
| company view | 50% | Kappa 1.02 |
| company view | 65% | Kappa 1.04 |

| | Population average implied kappa | 0.99 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 0.99 |
| policyholder view | 75% | Kappa 0.99 |
| policyholder view | 90% | Kappa 1.00 |
| policyholder view | 95% | Kappa 1.02 |
| company view | 50% | Kappa 1.11 |
| company view | 65% | Kappa 1.24 |

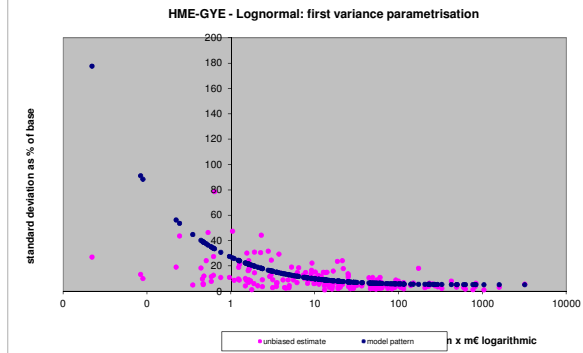
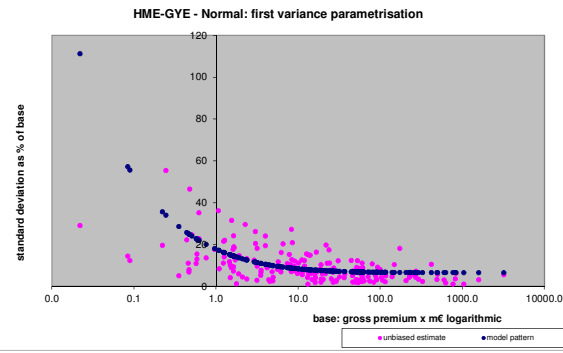


Medical expense - Gross year end loss concept

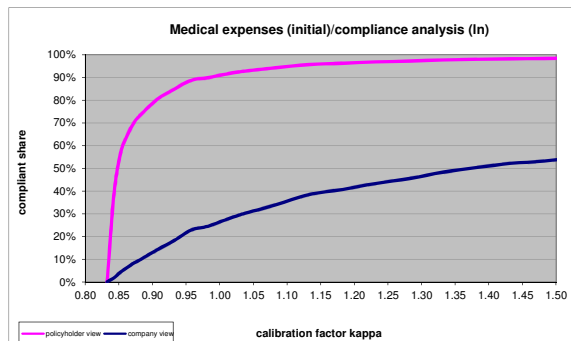
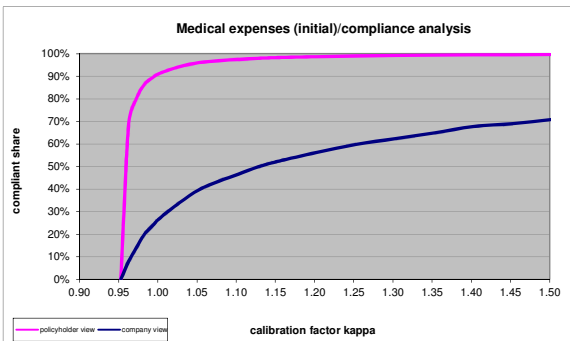
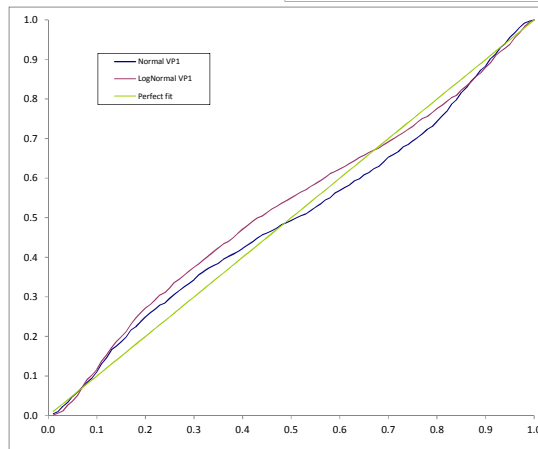
| Medical expense | | | | | | Gross year end loss concept | | | | | | HME-GYE | | | |
|-----------------|--------------|------------|---------|-----------|----------------|-----------------------------|---------------|-----------|---------|------------|----------------|-----------|-----------|----------|----------|
| cfused | 1.064 | minimum | maximum | threshold | unbiased sigma | cfused | 1.064 | minimum | maximum | threshold | unbiased sigma | HME-GYE | | | |
| cvused | 0.017 | -7.11 | 8.95 | 3.27 | 0.090 | cvused | 0.017 | -24.45 | 5.15 | 3.27 | 0.113 | Lognormal | | | |
| mean x | 84 | | | | Normal | mean x | 84 | | | | Lognormal | | | | |
| Minimise | 0.358 | specific | sample | standard | | Minimise | -0.569 | specific | sample | standard | | | | | |
| | | parameters | size | mean | deviation | skewness | kurtosis | | | parameters | size | mean | deviation | skewness | kurtosis |
| delta | 0.916 | 217 | 1861 | 0.00 | 1.00 | 1.5 | 18.8 | In(sigma) | -2.242 | 217 | 1861 | 0.14 | 1.04 | -10.0 | 201.3 |
| sigma | 0.085 | | | | | | | sigma | 0.106 | | | | | | |

| Medical expense | | | | | | Gross year end loss concept | | | | | | HME-GYE | | | |
|-----------------|--------------|------------|---------|-----------|----------------|-----------------------------|---------------|-----------|---------|------------|----------------|-----------|-----------|----------|----------|
| cfused | 1.060 | minimum | maximum | threshold | unbiased sigma | cfused | 1.060 | minimum | maximum | threshold | unbiased sigma | HME-GYE | | | |
| cvused | 0.018 | -4.08 | 4.10 | 3.26 | 0.072 | cvused | 0.018 | -5.95 | 4.57 | 3.26 | 0.068 | Lognormal | | | |
| mean x | 64 | | | | Normal | mean x | 63 | | | | Lognormal | | | | |
| Minimise | 0.066 | specific | sample | standard | | Minimise | -1.159 | specific | sample | standard | | | | | |
| | | parameters | size | mean | deviation | skewness | kurtosis | | | parameters | size | mean | deviation | skewness | kurtosis |
| delta | 0.903 | 195 | 1774 | 0.00 | 1.00 | 0.2 | 5.0 | In(sigma) | -2.744 | 195 | 1787 | 0.05 | 1.01 | -0.6 | 6.7 |
| sigma | 0.068 | | | | | | | sigma | 0.064 | | | | | | |

| Medical expense | | | | | | Gross year end loss concept | | | | | | HME-GYE | | | |
|-----------------|---------------|------------|---------|-----------|----------------|-----------------------------|---------------|-----------|---------|------------|----------------|-----------|-----------|----------|----------|
| cfused | 1.060 | minimum | maximum | threshold | unbiased sigma | cfused | 1.060 | minimum | maximum | threshold | unbiased sigma | HME-GYE | | | |
| cvused | 0.018 | -4.01 | 3.60 | 3.25 | 0.068 | cvused | 0.018 | -3.80 | 3.32 | 3.26 | 0.060 | Lognormal | | | |
| mean x | 64 | | | | Normal | mean x | 63 | | | | Lognormal | | | | |
| Minimise | -0.008 | specific | sample | standard | | Minimise | -1.282 | specific | sample | standard | | | | | |
| | | parameters | size | mean | deviation | skewness | kurtosis | | | parameters | size | mean | deviation | skewness | kurtosis |
| delta | 0.907 | 194 | 1755 | 0.00 | 1.00 | 0.1 | 4.3 | In(sigma) | -2.871 | 194 | 1764 | 0.05 | 1.01 | -0.4 | 4.5 |
| sigma | 0.064 | | | | | | | sigma | 0.057 | | | | | | |

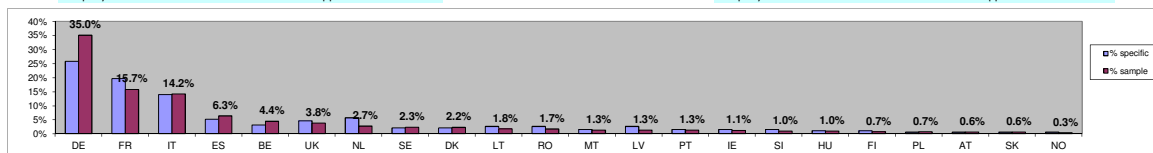


| | mean | median |
|-------------------|-------|--------|
| unbiased estimate | 9.61 | 7.00 |
| model pattern | 11.09 | 7.79 |



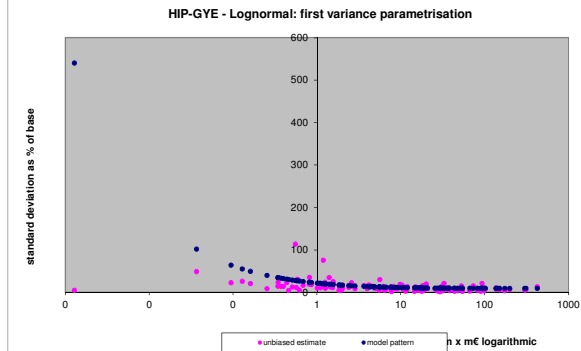
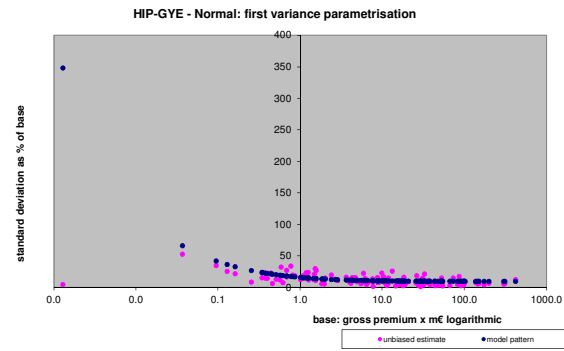
| | Population average implied kappa | 0.98 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 0.96 |
| policyholder view | 75% | Kappa 0.97 |
| policyholder view | 90% | Kappa 1.00 |
| policyholder view | 95% | Kappa 1.04 |
| company view | 50% | Kappa 1.13 |
| company view | 65% | Kappa 1.36 |

| | Population average implied kappa | 0.93 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 0.85 |
| policyholder view | 75% | Kappa 0.89 |
| policyholder view | 90% | Kappa 0.98 |
| policyholder view | 95% | Kappa 1.11 |
| company view | 50% | Kappa 1.37 |
| company view | 65% | Kappa 1.98 |

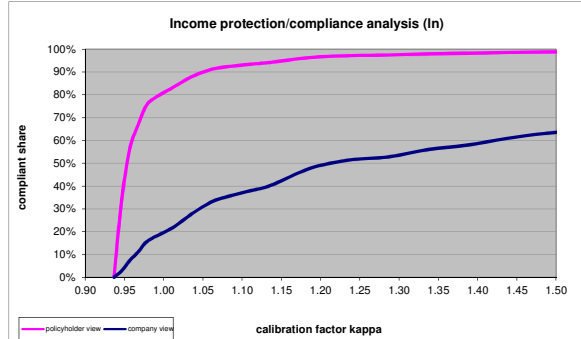
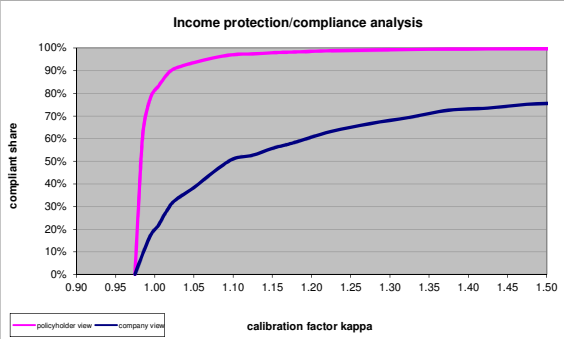
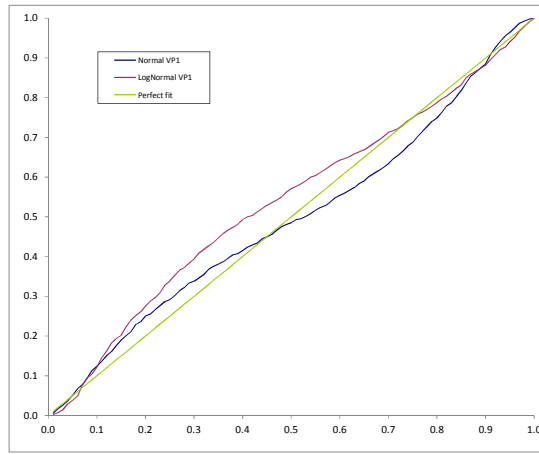


Income protection - Gross year end loss concept

| Income protection | | Gross year end loss concept | | | | | | | HIP-GYE |
|-------------------|--------|-----------------------------|-------------|--------------------|----------|----------|--|----------------|---------|
| cfused | 1.060 | minimum | maximum | threshold | | | | unbiased sigma | |
| cvused | 0.022 | -5.64 | 7.13 | 3.15 | | | | 0.114 | |
| mean x | 35 | | | | | | | Normal | |
| Minimise | 0.265 | specific parameters | sample size | standard deviation | skewness | kurtosis | | | |
| delta | 0.808 | 133 | 1210 | 0.01 | 1.00 | 0.5 | | 13.6 | |
| sigma | 0.107 | | | | | | | | |
| cfused | 1.060 | minimum | maximum | threshold | | | | unbiased sigma | |
| cvused | 0.022 | -5.00 | 4.65 | 3.14 | | | | 0.101 | |
| mean x | 35 | | | | | | | Normal | |
| Minimise | -0.061 | specific parameters | sample size | standard deviation | skewness | kurtosis | | | |
| delta | 0.943 | 127 | 1167 | 0.01 | 1.00 | 0.2 | | 5.2 | |
| sigma | 0.095 | | | | | | | | |
| cfused | 1.060 | minimum | maximum | threshold | | | | unbiased sigma | |
| cvused | 0.022 | -3.10 | 3.48 | 3.13 | | | | 0.094 | |
| mean x | 35 | | | | | | | Normal | |
| Minimise | -0.145 | specific parameters | sample size | standard deviation | skewness | kurtosis | | | |
| delta | 0.950 | 127 | 1155 | 0.00 | 1.00 | 0.3 | | 4.1 | |
| sigma | 0.088 | | | | | | | | |
| cfused | 1.060 | minimum | maximum | threshold | | | | unbiased sigma | |
| cvused | 0.022 | -5.98 | 3.81 | 3.13 | | | | 0.093 | |
| mean x | 35 | | | | | | | Lognormal | |
| Minimise | -0.758 | specific parameters | sample size | standard deviation | skewness | kurtosis | | | |
| ln(sigma) | -2.431 | 128 | 1162 | 0.08 | 1.02 | -0.4 | | 5.1 | |
| delta | 0.877 | | | | | | | | |
| sigma | 0.088 | | | | | | | | |

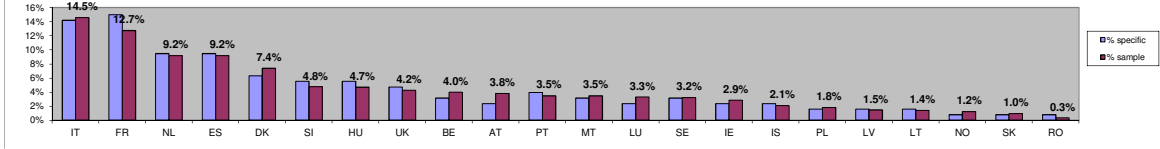


| | mean | median |
|-------------------|-------|--------|
| unbiased estimate | 11.62 | 9.84 |
| model pattern | 15.35 | 9.95 |



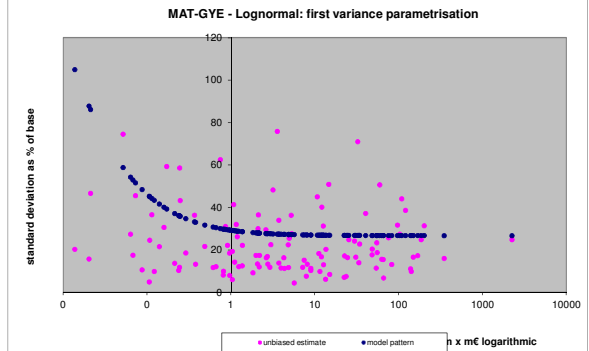
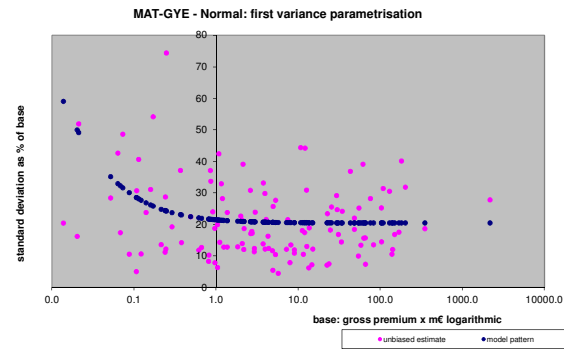
| | Population average implied kappa | 1.00 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 0.98 |
| policyholder view | 75% | Kappa 0.99 |
| policyholder view | 90% | Kappa 1.02 |
| policyholder view | 95% | Kappa 1.07 |
| company view | 50% | Kappa 1.10 |
| company view | 65% | Kappa 1.25 |

| | Population average implied kappa | 1.01 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 0.95 |
| policyholder view | 75% | Kappa 0.98 |
| policyholder view | 90% | Kappa 1.05 |
| policyholder view | 95% | Kappa 1.16 |
| company view | 50% | Kappa 1.22 |
| company view | 65% | Kappa 1.55 |

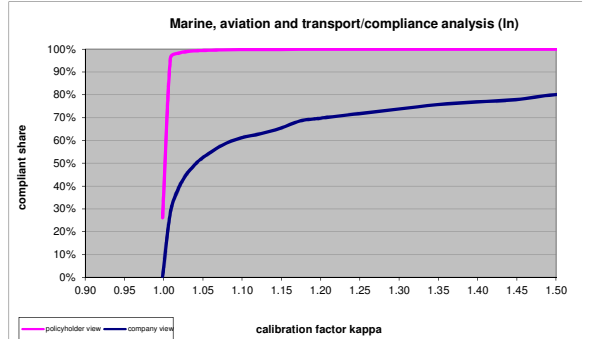
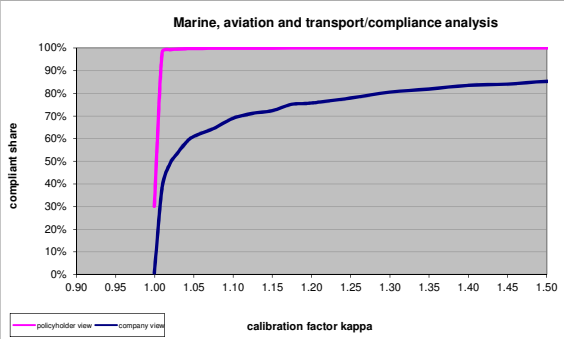
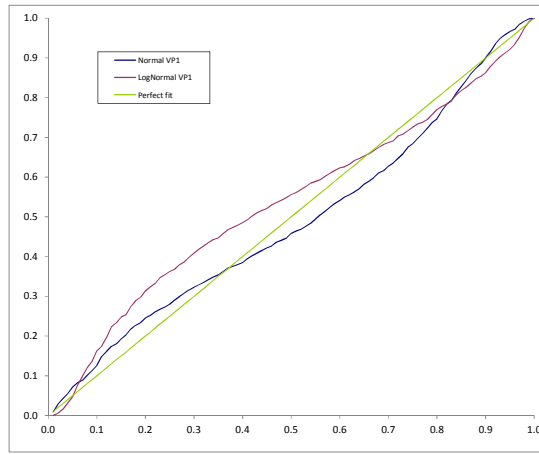


Marine, aviation and transport - Gross year end loss concept

| Marine, aviation and transport | | | | | | Gross year end loss concept | | | | | | MAT-GYE | | | | | | | | | | | |
|--------------------------------|--------------|------------|---------|-----------|----------------|-----------------------------|---------------|----------|---------|------------|----------------|-----------------|---------------|----------|----------|-----------|----------------|------------|------|------|-----------|----------|----------|
| cfused | 1.057 | minimum | maximum | threshold | unbiased sigma | cfused | 1.057 | minimum | maximum | threshold | unbiased sigma | cfused | 1.057 | minimum | maximum | threshold | unbiased sigma | | | | | | |
| cvused | 0.022 | -14.42 | 9.31 | 3.14 | 0.299 | cvused | 0.022 | -15.14 | 6.77 | 3.14 | 0.346 | cvused | 0.022 | -15.14 | 6.77 | 3.14 | 0.346 | | | | | | |
| mean x | 59 | | | | Normal | mean x | 59 | | | | Lognormal | mean x | 59 | | | | Lognormal | | | | | | |
| Minimise | 1.063 | specific | sample | standard | | Minimise | 0.337 | specific | sample | standard | | Minimise | 0.337 | specific | sample | standard | | | | | | | |
| delta | 0.841 | parameters | size | mean | deviation | skewness | kurtosis | delta | 0.839 | parameters | size | mean | deviation | skewness | kurtosis | delta | 0.839 | parameters | size | mean | deviation | skewness | kurtosis |
| sigma | 0.283 | 124 | 1179 | 0.01 | 1.00 | 0.8 | 62.5 | sigma | 0.327 | 124 | 1179 | 0.31 | 1.05 | -2.4 | 42.9 | sigma | 0.327 | 124 | 1179 | 0.31 | 1.05 | -2.4 | 42.9 |
| cfused | 1.057 | minimum | maximum | threshold | unbiased sigma | cfused | 1.057 | minimum | maximum | threshold | unbiased sigma | cfused | 1.057 | minimum | maximum | threshold | unbiased sigma | | | | | | |
| cvused | 0.022 | -3.48 | 6.97 | 3.13 | 0.232 | cvused | 0.022 | -10.06 | 4.84 | 3.13 | 0.302 | cvused | 0.022 | -10.06 | 4.84 | 3.13 | 0.302 | | | | | | |
| mean x | 60 | | | | Normal | mean x | 59 | | | | Lognormal | mean x | 59 | | | | Lognormal | | | | | | |
| Minimise | 0.182 | specific | sample | standard | | Minimise | 0.019 | specific | sample | standard | | Minimise | 0.019 | specific | sample | standard | | | | | | | |
| delta | 0.997 | parameters | size | mean | deviation | skewness | kurtosis | delta | 0.967 | parameters | size | mean | deviation | skewness | kurtosis | delta | 0.967 | parameters | size | mean | deviation | skewness | kurtosis |
| sigma | 0.220 | 120 | 1153 | 0.00 | 1.00 | 1.2 | 8.3 | sigma | 0.286 | 121 | 1156 | 0.16 | 1.02 | -1.8 | 18.2 | sigma | 0.286 | 121 | 1156 | 0.16 | 1.02 | -1.8 | 18.2 |
| cfused | 1.058 | minimum | maximum | threshold | unbiased sigma | cfused | 1.057 | minimum | maximum | threshold | unbiased sigma | cfused | 1.057 | minimum | maximum | threshold | unbiased sigma | | | | | | |
| cvused | 0.022 | -3.13 | 4.20 | 3.13 | 0.204 | cvused | 0.022 | -7.09 | 3.50 | 3.13 | 0.266 | cvused | 0.022 | -7.09 | 3.50 | 3.13 | 0.266 | | | | | | |
| mean x | 61 | | | | Normal | mean x | 59 | | | | Lognormal | mean x | 59 | | | | Lognormal | | | | | | |
| Minimise | 0.014 | specific | sample | standard | | Minimise | -0.288 | specific | sample | standard | | Minimise | -0.288 | specific | sample | standard | | | | | | | |
| delta | 0.998 | parameters | size | mean | deviation | skewness | kurtosis | delta | 0.997 | parameters | size | mean | deviation | skewness | kurtosis | delta | 0.997 | parameters | size | mean | deviation | skewness | kurtosis |
| sigma | 0.193 | 120 | 1136 | 0.00 | 1.00 | 0.5 | 4.4 | sigma | 0.252 | 119 | 1135 | 0.06 | 1.01 | -1.1 | 8.4 | sigma | 0.252 | 119 | 1135 | 0.06 | 1.01 | -1.1 | 8.4 |

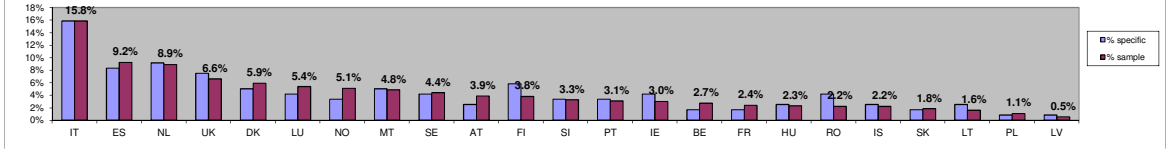


| | mean | median |
|-------------------|-------|--------|
| unbiased estimate | 21.01 | 17.81 |
| model pattern | 22.57 | 20.61 |



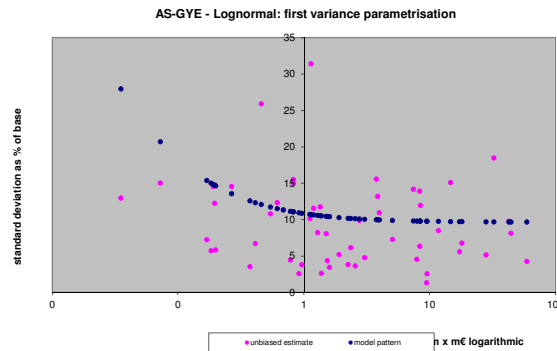
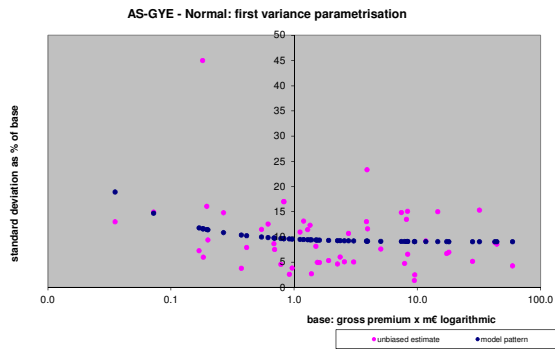
| | Population average implied kappa | 1.00 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 1.00 |
| policyholder view | 75% | Kappa 1.01 |
| policyholder view | 90% | Kappa 1.01 |
| policyholder view | 95% | Kappa 1.01 |
| company view | 50% | Kappa 1.02 |
| company view | 65% | Kappa 1.08 |

| | Population average implied kappa | 1.00 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 1.00 |
| policyholder view | 75% | Kappa 1.01 |
| policyholder view | 90% | Kappa 1.01 |
| policyholder view | 95% | Kappa 1.01 |
| company view | 50% | Kappa 1.04 |
| company view | 65% | Kappa 1.15 |

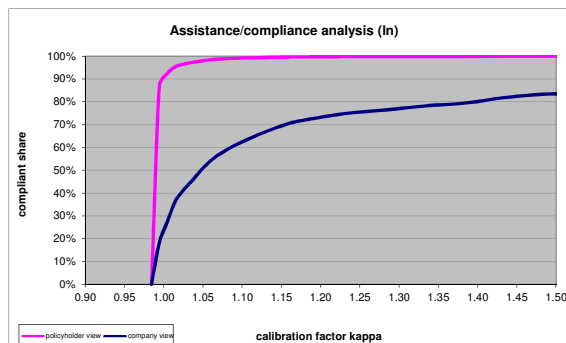
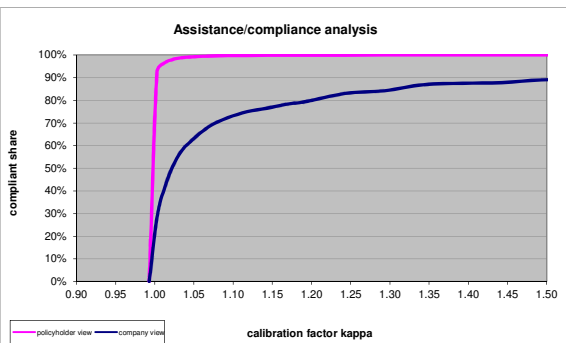
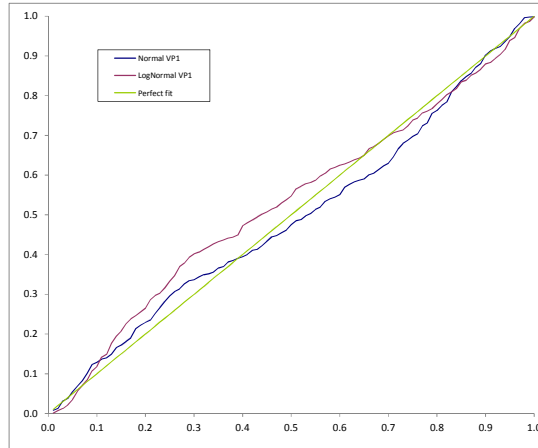


Assistance - Gross year end loss concept

| Assistance | | Gross year end loss concept | | | | | AS-GYE |
|------------|--------|-----------------------------|-------------|--------------------|----------|----------------|--------|
| cfused | 1.072 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.035 | -4.04 | 4.93 | 2.87 | | 0.119 | |
| mean x | 8 | | | | | Normal | |
| Minimise | -1.366 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| delta | 0.943 | 62 | 479 | 0.01 | 1.00 | 0.8 | |
| sigma | 0.111 | | | | | 7.0 | |
| cfused | 1.068 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.036 | -3.66 | 4.15 | 2.84 | | 0.102 | |
| mean x | 8 | | | | | Normal | |
| Minimise | -1.563 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| delta | 0.980 | 55 | 448 | 0.00 | 1.00 | 0.4 | |
| sigma | 0.096 | | | | | 5.1 | |
| cfused | 1.068 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.036 | -2.94 | 2.99 | 2.83 | | 0.091 | |
| mean x | 8 | | | | | Normal | |
| Minimise | -1.699 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| delta | 0.985 | 53 | 434 | -0.01 | 1.00 | 0.3 | |
| sigma | 0.085 | | | | | 3.9 | |
| cfused | 1.069 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.036 | -3.93 | 3.06 | 2.83 | | 0.098 | |
| mean x | 8 | | | | | Lognormal | |
| Minimise | -0.755 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| delta | 0.969 | 54 | 434 | 0.04 | 1.00 | -0.5 | |
| sigma | 0.091 | | | | | 4.5 | |

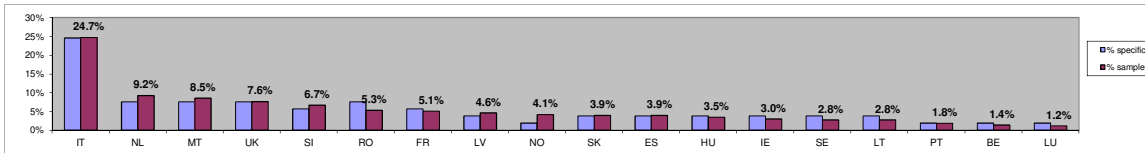


| | mean | median |
|-------------------|------|--------|
| unbiased estimate | 9.83 | 8.54 |
| model pattern | 9.83 | 9.32 |



| | Population average implied kappa | 1.00 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 1.00 |
| policyholder view | 75% | Kappa 1.00 |
| policyholder view | 90% | Kappa 1.00 |
| policyholder view | 95% | Kappa 1.01 |
| company view | 50% | Kappa 1.02 |
| company view | 65% | Kappa 1.06 |

| | Population average implied kappa | 0.99 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 0.99 |
| policyholder view | 75% | Kappa 0.99 |
| policyholder view | 90% | Kappa 1.00 |
| policyholder view | 95% | Kappa 1.01 |
| company view | 50% | Kappa 1.05 |
| company view | 65% | Kappa 1.12 |



Credit and suretyship - Gross year end loss concept

| Credit and suretyship | | Gross year end loss concept | | | | | CS-GYE |
|-----------------------|-------|-----------------------------|-------------|--------------------|----------|----------------|--------|
| cfused | 1.066 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.033 | -3.62 | 10.96 | 2.89 | | 0.374 | |
| mean x | 38 | | | | | Normal | |
| Minimise | 1.721 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| delta | 0.111 | 61 | 511 | 0.00 | 1.00 | 4.5 | |
| sigma | 0.350 | | | | | 44.9 | |

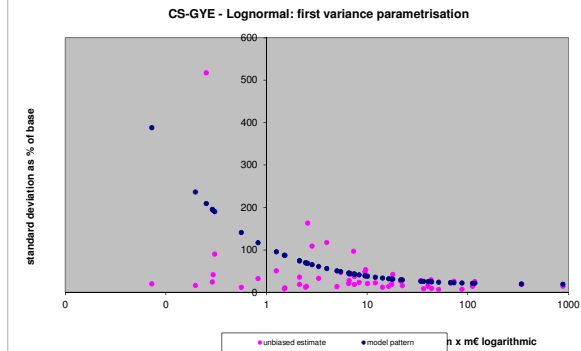
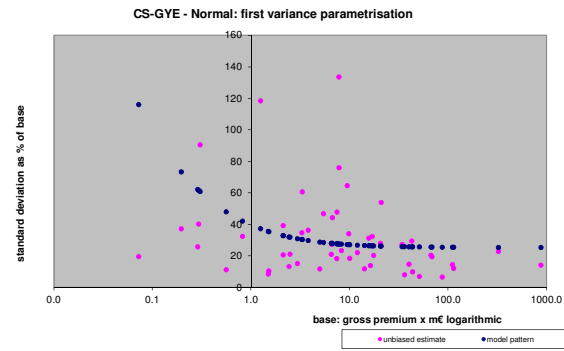
| Credit and suretyship | | Gross year end loss concept | | | | | CS-GYE |
|-----------------------|--------|-----------------------------|-------------|--------------------|----------|----------------|--------|
| cfused | 1.066 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.033 | -6.65 | 3.96 | 2.89 | | 0.484 | |
| mean x | 38 | | | | | Lognormal | |
| Minimise | 0.677 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| ln(sigma) | -0.789 | 61 | 511 | 0.41 | 1.11 | -0.6 | |
| delta | 0.022 | | | | | 7.4 | |
| sigma | 0.454 | | | | | | |

| Credit and suretyship | | Gross year end loss concept | | | | | CS-GYE |
|-----------------------|-------|-----------------------------|-------------|--------------------|----------|----------------|--------|
| cfused | 1.062 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.034 | -2.87 | 5.57 | 2.87 | | 0.228 | |
| mean x | 40 | | | | | Normal | |
| Minimise | 1.179 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| delta | 0.504 | 54 | 481 | 0.00 | 1.00 | 1.3 | |
| sigma | 0.214 | | | | | 8.1 | |

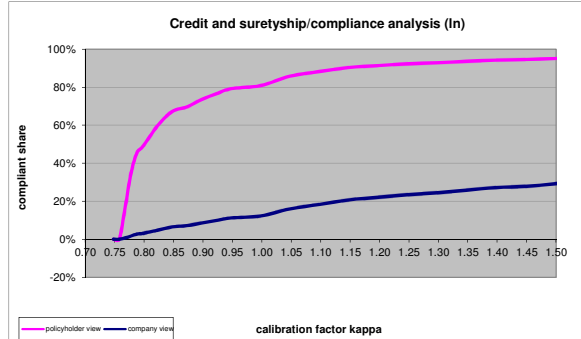
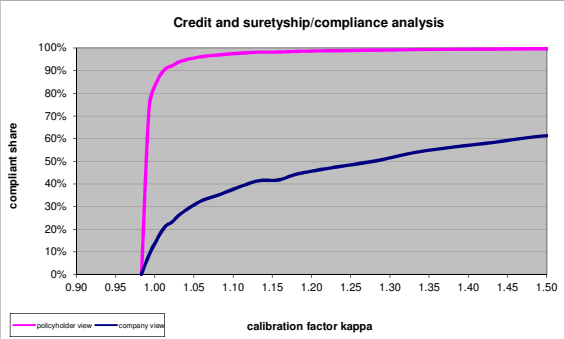
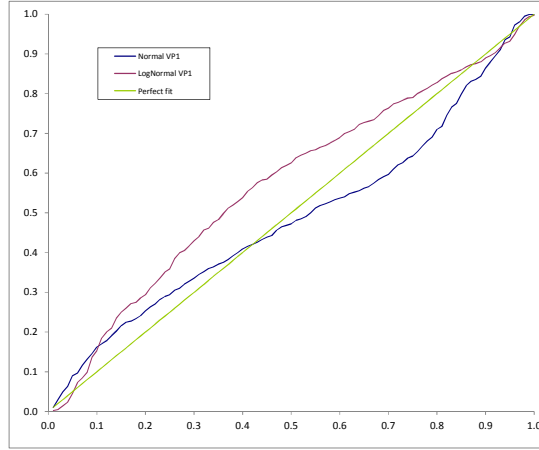
| Credit and suretyship | | Gross year end loss concept | | | | | CS-GYE |
|-----------------------|--------|-----------------------------|-------------|--------------------|----------|----------------|--------|
| cfused | 1.062 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.035 | -4.79 | 2.76 | 2.85 | | 0.244 | |
| mean x | 42 | | | | | Lognormal | |
| Minimise | 0.128 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| ln(sigma) | -1.472 | 52 | 463 | 0.18 | 1.03 | -0.3 | |
| delta | 0.559 | | | | | 4.5 | |
| sigma | 0.229 | | | | | | |

| Credit and suretyship | | Gross year end loss concept | | | | | CS-GYE |
|-----------------------|-------|-----------------------------|-------------|--------------------|----------|----------------|--------|
| cfused | 1.062 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.035 | -4.32 | 5.54 | 2.85 | | 0.256 | |
| mean x | 41 | | | | | Normal | |
| Minimise | 0.839 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| delta | 0.966 | 52 | 461 | 0.00 | 1.00 | 1.0 | |
| sigma | 0.241 | | | | | 7.7 | |

| Credit and suretyship | | Gross year end loss concept | | | | | CS-GYE |
|-----------------------|--------|-----------------------------|-------------|--------------------|----------|----------------|--------|
| cfused | 1.062 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.035 | -4.79 | 2.76 | 2.85 | | 0.244 | |
| mean x | 42 | | | | | Lognormal | |
| Minimise | 0.128 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| ln(sigma) | -1.472 | 52 | 463 | 0.18 | 1.03 | -0.3 | |
| delta | 0.559 | | | | | 4.5 | |
| sigma | 0.229 | | | | | | |

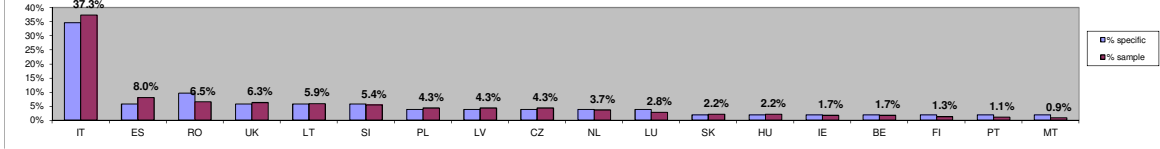


| | mean | median |
|-------------------|-------|--------|
| unbiased estimate | 31.02 | 22.30 |
| model pattern | 33.06 | 27.39 |



| | Population average implied kappa | 1.01 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 0.99 |
| policyholder view | 75% | Kappa 0.99 |
| policyholder view | 90% | Kappa 1.01 |
| policyholder view | 95% | Kappa 1.04 |
| company view | 50% | Kappa 1.28 |
| company view | 65% | Kappa 1.69 |

| | Population average implied kappa | 1.09 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 0.80 |
| policyholder view | 75% | Kappa 0.91 |
| policyholder view | 90% | Kappa 1.14 |
| policyholder view | 95% | Kappa 1.50 |
| company view | 50% | Kappa 2.94 |
| company view | 65% | Kappa 4.17 |



Legal expenses - Gross year end loss concept

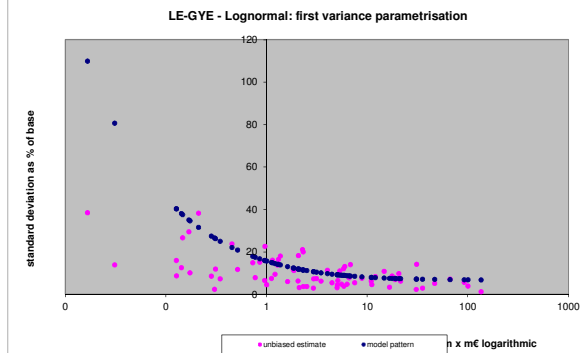
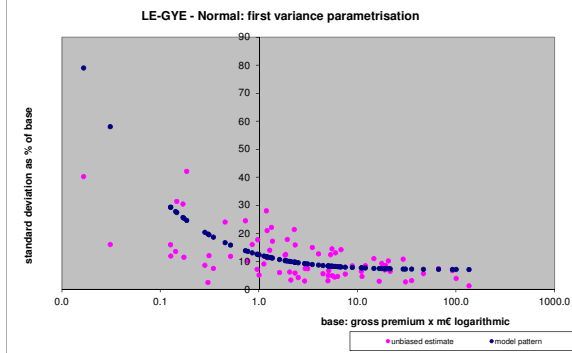
| Legal expenses | | Gross year end loss concept | | | | | | LE-GYE |
|----------------|--------|-----------------------------|-------------|--------------------|----------|----------|----------------|--------|
| cfused | 1.061 | minimum | maximum | threshold | | | unbiased sigma | |
| cvused | 0.028 | -8.05 | 7.87 | 2.99 | | | 0.175 | |
| mean x | 11 | | | | | | Normal | |
| Minimise | -0.671 | specific parameters | sample size | standard deviation | skewness | kurtosis | 24.2 | |
| delta | 0.980 | 80 | 720 | 0.00 | 1.00 | 1.2 | | |
| sigma | 0.165 | | | | | | | |

| | | | | | | | |
|----------|--------|---------------------|-------------|--------------------|----------|----------|----------------|
| cfused | 1.060 | minimum | maximum | threshold | | | unbiased sigma |
| cvused | 0.028 | -4.78 | 5.17 | 2.98 | | | 0.099 |
| mean x | 11 | | | | | | Normal |
| Minimise | -1.069 | specific parameters | sample size | standard deviation | skewness | kurtosis | 6.9 |
| delta | 0.915 | 76 | 700 | 0.00 | 1.00 | 0.1 | |
| sigma | 0.094 | | | | | | |

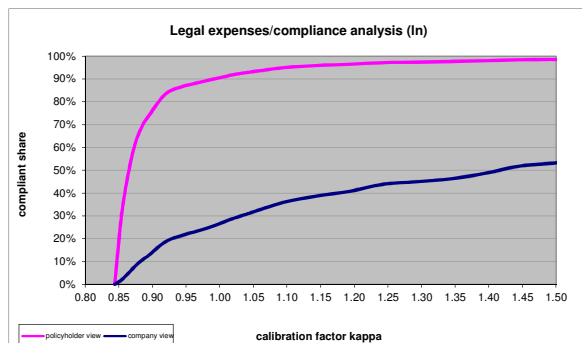
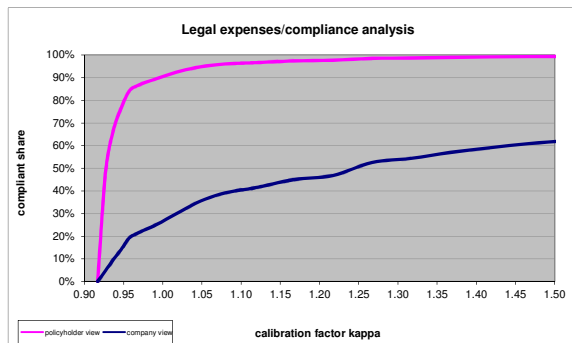
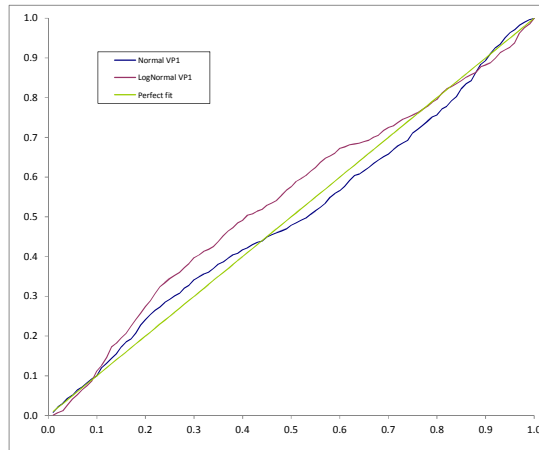
| | | | | | | | |
|----------|--------|---------------------|-------------|--------------------|----------|----------|----------------|
| cfused | 1.060 | minimum | maximum | threshold | | | unbiased sigma |
| cvused | 0.029 | -3.71 | 3.40 | 2.98 | | | 0.076 |
| mean x | 11 | | | | | | Normal |
| Minimise | -1.249 | specific parameters | sample size | standard deviation | skewness | kurtosis | 3.8 |
| delta | 0.840 | 75 | 685 | 0.00 | 1.00 | 0.2 | |
| sigma | 0.071 | | | | | | |

| | | | | | | | |
|----------|--------|---------------------|-------------|--------------------|----------|----------|----------------|
| cfused | 1.060 | minimum | maximum | threshold | | | unbiased sigma |
| cvused | 0.029 | -4.02 | 4.25 | 2.97 | | | 0.078 |
| mean x | 11 | | | | | | Lognormal |
| Minimise | -0.663 | specific parameters | sample size | standard deviation | skewness | kurtosis | 10.8 |
| delta | 0.832 | 76 | 700 | 0.12 | 1.02 | -1.2 | |
| sigma | 0.110 | | | | | | |

| | | | | | | | |
|----------|--------|---------------------|-------------|--------------------|----------|----------|----------------|
| cfused | 1.060 | minimum | maximum | threshold | | | unbiased sigma |
| cvused | 0.029 | -4.02 | 4.25 | 2.97 | | | 0.078 |
| mean x | 11 | | | | | | Lognormal |
| Minimise | -0.663 | specific parameters | sample size | standard deviation | skewness | kurtosis | 4.5 |
| delta | 0.712 | 74 | 679 | 0.08 | 1.02 | -0.5 | |
| sigma | 0.074 | | | | | | |

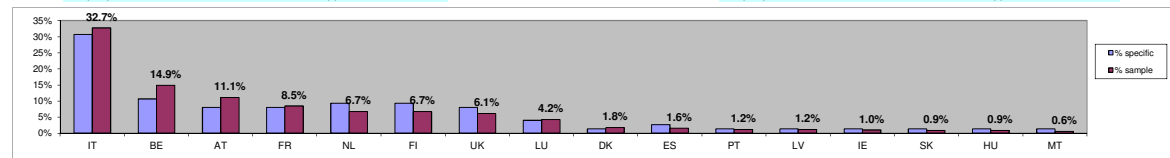


| | mean | median |
|-------------------|-------|--------|
| unbiased estimate | 11.38 | 9.00 |
| model pattern | 13.08 | 9.43 |



| | Population average implied kappa | 0.97 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 0.93 |
| policyholder view | 75% | Kappa 0.95 |
| policyholder view | 90% | Kappa 1.00 |
| policyholder view | 95% | Kappa 1.05 |
| company view | 50% | Kappa 1.25 |
| company view | 65% | Kappa 1.64 |

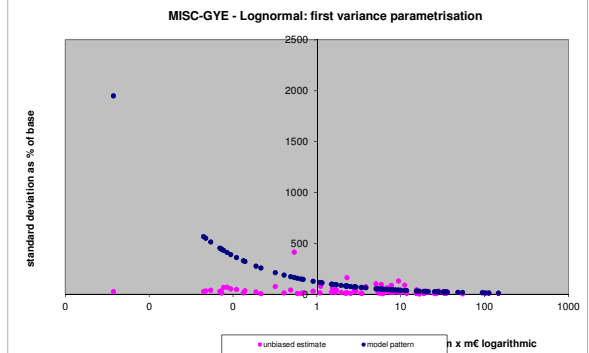
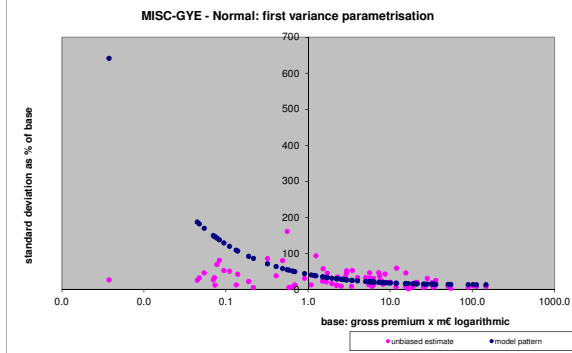
| | Population average implied kappa | 0.94 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 0.87 |
| policyholder view | 75% | Kappa 0.90 |
| policyholder view | 90% | Kappa 0.99 |
| policyholder view | 95% | Kappa 1.10 |
| company view | 50% | Kappa 1.42 |
| company view | 65% | Kappa 2.16 |



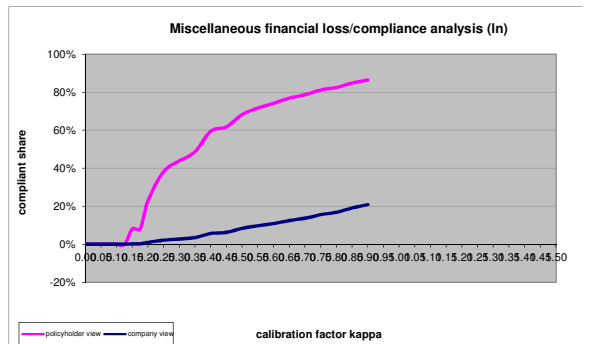
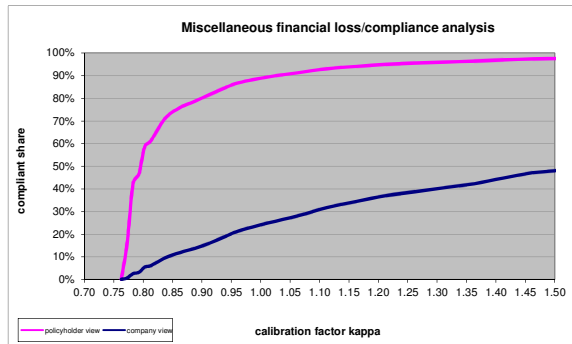
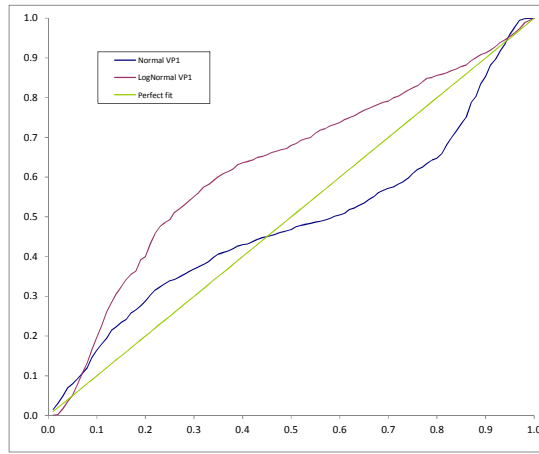
Miscellaneous financial loss - Gross year end loss concept

| Miscellaneous financial loss | | | | | | | | | | Gross year end loss concept | | | | | MISC-GYE | | | | | | |
|------------------------------|--------------|------------|---------|-----------|----------------|----------|----------|--|--|-----------------------------|-----------------|--------------|------------|---------|-----------|----------------|----------|----------|--|--|--|
| cfused | 1.068 | minimum | maximum | threshold | unbiased sigma | | | | | | cfused | 1.068 | minimum | maximum | threshold | unbiased sigma | | | | | |
| cvused | 0.028 | -6.17 | 19.39 | 3.00 | 0.478 | | | | | | cvused | 0.028 | -15.96 | 3.82 | 3.00 | 1.006 | | | | | |
| mean x | 15 | | | | Normal | | | | | | mean x | 15 | | | | Lognormal | | | | | |
| Minimise | 1.058 | specific | sample | standard | | | | | | | Minimise | 1.224 | specific | sample | standard | | | | | | |
| delta | 0.000 | parameters | size | mean | deviation | skewness | kurtosis | | | | ln(sigma) | -0.060 | parameters | size | mean | deviation | skewness | kurtosis | | | |
| sigma | 0.447 | 91 | 738 | 0.03 | 1.00 | 10.5 | 200.3 | | | | sigma | 0.942 | 91 | 738 | 0.68 | 1.22 | -2.8 | 42.4 | | | |

| | | | | | | | | | | | | | | | | | | | | | |
|-----------------|--------------|------------|---------|-----------|----------------|----------|----------|--|--|--|-----------------|--------------|------------|---------|-----------|----------------|----------|----------|--|--|--|
| cfused | 1.064 | minimum | maximum | threshold | unbiased sigma | | | | | | cfused | 1.064 | minimum | maximum | threshold | unbiased sigma | | | | | |
| cvused | 0.028 | -4.86 | 6.66 | 2.98 | 0.208 | | | | | | cvused | 0.028 | -8.96 | 3.34 | 2.99 | 0.441 | | | | | |
| mean x | 15 | | | | Normal | | | | | | mean x | 15 | | | | Lognormal | | | | | |
| Minimise | 0.224 | specific | sample | standard | | | | | | | Minimise | 0.770 | specific | sample | standard | | | | | | |
| delta | 0.112 | parameters | size | mean | deviation | skewness | kurtosis | | | | ln(sigma) | -0.881 | parameters | size | mean | deviation | skewness | kurtosis | | | |
| sigma | 0.195 | 82 | 703 | 0.03 | 1.00 | 2.2 | 14.7 | | | | delta | 0.000 | 82 | 706 | 0.44 | 1.14 | -1.2 | 12.8 | | | |

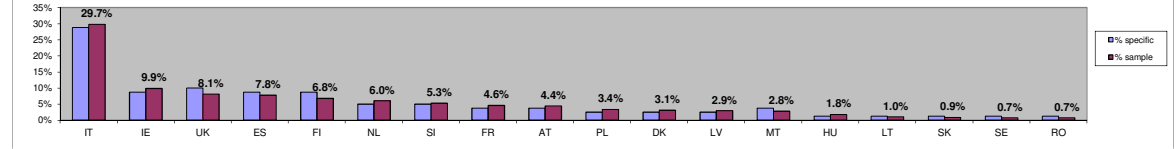


| | mean | median |
|-------------------|-------|--------|
| unbiased estimate | 28.43 | 23.19 |
| model pattern | 51.93 | 24.29 |



| | Population average implied kappa | 0.93 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 0.80 |
| policyholder view | 75% | Kappa 0.86 |
| policyholder view | 90% | Kappa 1.03 |
| policyholder view | 95% | Kappa 1.22 |
| company view | 50% | Kappa 1.56 |
| company view | 65% | Kappa 2.50 |

| | Population average implied kappa | 0.83 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 0.36 |
| policyholder view | 75% | Kappa 0.62 |
| policyholder view | 90% | Kappa 1.48 |
| policyholder view | 95% | Kappa 1.00 |
| company view | 50% | Kappa 2.36 |
| company view | 65% | Kappa 3.10 |



Workers' compensation - Gross year end loss concept

| Workers' compensation | | Gross year end loss concept | | | | HWC-GYE |
|-----------------------|-------|-----------------------------|-------------|--------------------|----------------|----------|
| cfused | 1.056 | minimum | maximum | threshold | unbiased sigma | |
| cvused | 0.037 | -4.37 | 4.50 | 2.82 | 0.178 | |
| mean x | 37 | | | | Normal | |
| Minimise | 0.712 | specific parameters | sample size | standard deviation | skewness | kurtosis |
| delta | 0.977 | 42 | 412 | -0.01 | 1.00 | 7.3 |
| sigma | 0.168 | | | | | |

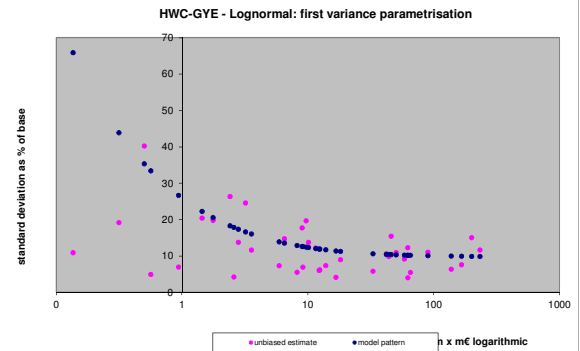
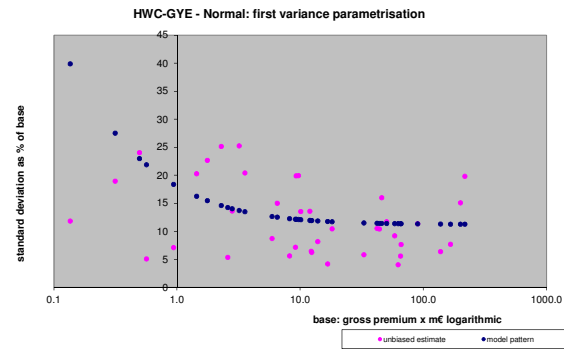
| Workers' compensation | | Gross year end loss concept | | | | HWC-GYE |
|-----------------------|--------|-----------------------------|-------------|--------------------|----------------|----------|
| cfused | 1.056 | minimum | maximum | threshold | unbiased sigma | |
| cvused | 0.037 | -8.61 | 3.50 | 2.82 | 0.178 | |
| mean x | 37 | | | | Lognormal | |
| Minimise | -0.758 | specific parameters | sample size | standard deviation | skewness | kurtosis |
| ln(sigma) | -1.782 | 42 | 412 | 0.06 | 1.01 | -2.1 |
| delta | 0.866 | | | | | 22.7 |
| sigma | 0.168 | | | | | |

| Workers' compensation | | Gross year end loss concept | | | | HWC-GYE |
|-----------------------|-------|-----------------------------|-------------|--------------------|----------------|----------|
| cfused | 1.055 | minimum | maximum | threshold | unbiased sigma | |
| cvused | 0.038 | -3.54 | 3.76 | 2.80 | 0.136 | |
| mean x | 36 | | | | Normal | |
| Minimise | 0.482 | specific parameters | sample size | standard deviation | skewness | kurtosis |
| delta | 0.974 | 39 | 391 | -0.01 | 1.00 | 0.4 |
| sigma | 0.129 | | | | | 5.0 |

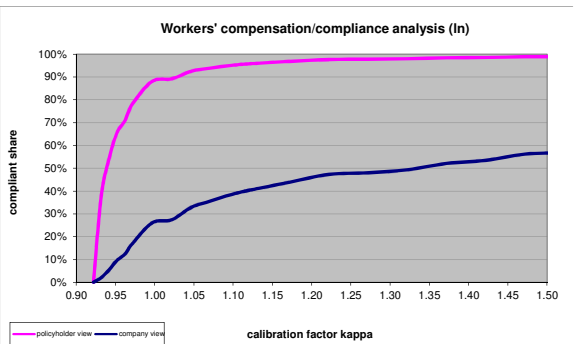
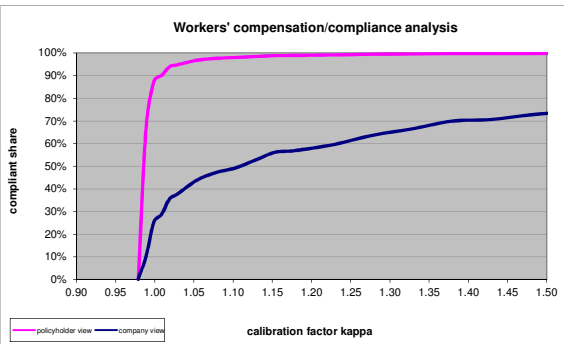
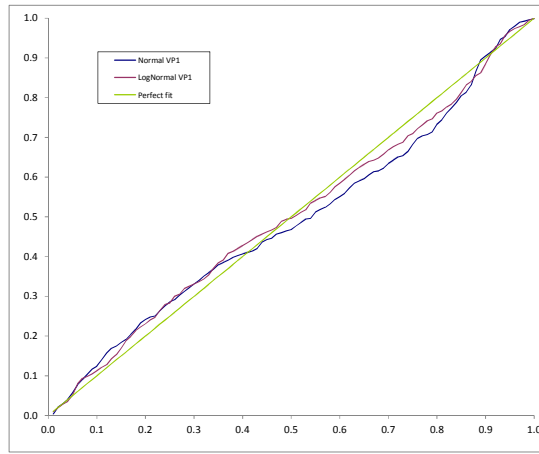
| Workers' compensation | | Gross year end loss concept | | | | HWC-GYE |
|-----------------------|--------|-----------------------------|-------------|--------------------|----------------|----------|
| cfused | 1.054 | minimum | maximum | threshold | unbiased sigma | |
| cvused | 0.037 | -4.19 | 3.69 | 2.80 | 0.139 | |
| mean x | 35 | | | | Lognormal | |
| Minimise | -1.068 | specific parameters | sample size | standard deviation | skewness | kurtosis |
| ln(sigma) | -2.027 | 39 | 396 | 0.02 | 1.00 | 0.0 |
| delta | 0.915 | | | | | 5.8 |
| sigma | 0.132 | | | | | |

| Workers' compensation | | Gross year end loss concept | | | | HWC-GYE |
|-----------------------|-------|-----------------------------|-------------|--------------------|----------------|----------|
| cfused | 1.056 | minimum | maximum | threshold | unbiased sigma | |
| cvused | 0.038 | -3.31 | 3.08 | 2.79 | 0.114 | |
| mean x | 36 | | | | Normal | |
| Minimise | 0.347 | specific parameters | sample size | standard deviation | skewness | kurtosis |
| delta | 0.958 | 39 | 383 | -0.01 | 1.00 | 0.2 |
| sigma | 0.108 | | | | | 4.0 |

| Workers' compensation | | Gross year end loss concept | | | | HWC-GYE |
|-----------------------|--------|-----------------------------|-------------|--------------------|----------------|----------|
| cfused | 1.055 | minimum | maximum | threshold | unbiased sigma | |
| cvused | 0.038 | -3.14 | 3.44 | 2.80 | 0.105 | |
| mean x | 35 | | | | Lognormal | |
| Minimise | -1.263 | specific parameters | sample size | standard deviation | skewness | kurtosis |
| ln(sigma) | -2.308 | 39 | 386 | 0.01 | 1.00 | 0.2 |
| delta | 0.850 | | | | | 3.8 |
| sigma | 0.099 | | | | | |

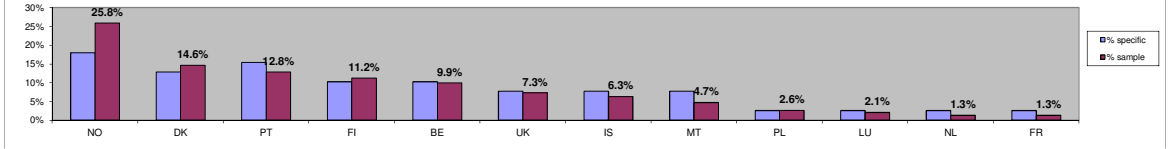


| | mean | median |
|-------------------|-------|--------|
| unbiased estimate | 12.27 | 10.46 |
| model pattern | 14.03 | 11.90 |



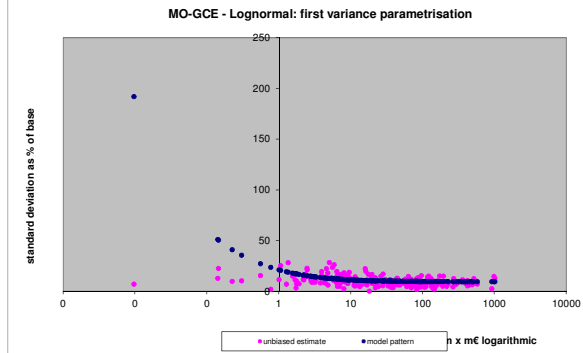
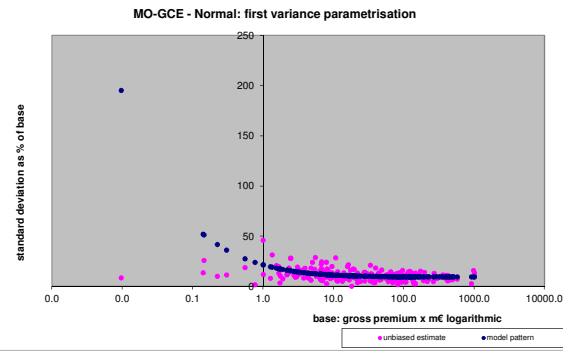
| | Population average implied kappa | 1.00 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 0.99 |
| policyholder view | 75% | Kappa 0.99 |
| policyholder view | 90% | Kappa 1.01 |
| policyholder view | 95% | Kappa 1.03 |
| company view | 50% | Kappa 1.11 |
| company view | 65% | Kappa 1.30 |

| | Population average implied kappa | 0.99 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 0.94 |
| policyholder view | 75% | Kappa 0.97 |
| policyholder view | 90% | Kappa 1.03 |
| policyholder view | 95% | Kappa 1.10 |
| company view | 50% | Kappa 1.33 |
| company view | 65% | Kappa 1.88 |

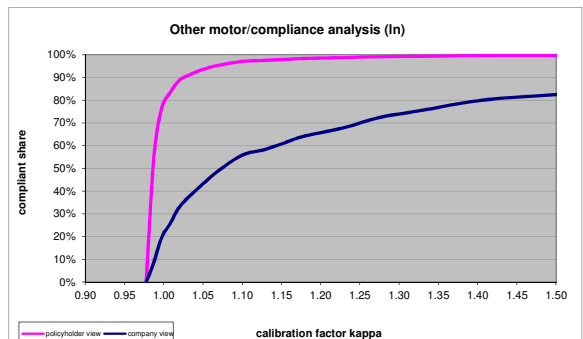
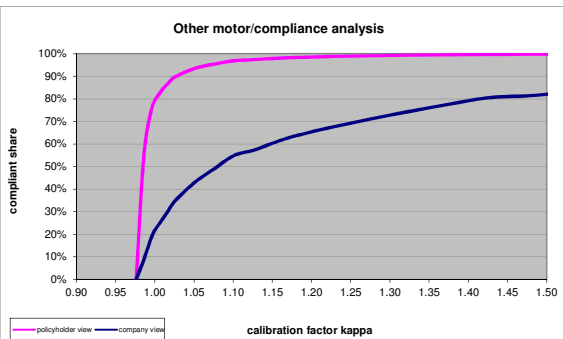
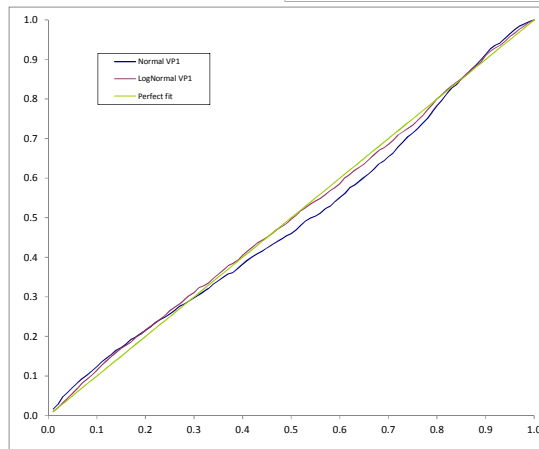


Motor other - Gross current estimate loss concept

| Motor other | | Gross current estimate loss concept | | | | | | MO-GCE |
|-----------------|---------------|-------------------------------------|---------|-----------|----------|----------|----------------|--------|
| cfused | 1.050 | minimum | maximum | threshold | | | unbiased sigma | |
| cvused | 0.014 | -5.09 | 10.71 | 3.38 | | | 0.103 | |
| mean x | 87 | | | | | | Normal | |
| Minimise | 1.190 | specific | sample | standard | | | | |
| | | parameters | size | deviation | skewness | kurtosis | | |
| delta | 0.892 | 255 | 2733 | 0.01 | 1.00 | 1.7 | 16.3 | |
| sigma | 0.098 | | | | | | | |
| cfused | 1.049 | minimum | maximum | threshold | | | unbiased sigma | |
| cvused | 0.014 | -3.99 | 3.92 | 3.37 | | | 0.095 | |
| mean x | 87 | | | | | | Normal | |
| Minimise | 1.054 | specific | sample | standard | | | | |
| | | parameters | size | deviation | skewness | kurtosis | | |
| delta | 0.939 | 246 | 2685 | 0.01 | 1.00 | 0.5 | 4.0 | |
| sigma | 0.091 | | | | | | | |
| cfused | 1.049 | minimum | maximum | threshold | | | unbiased sigma | |
| cvused | 0.014 | -3.49 | 3.67 | 3.37 | | | 0.094 | |
| mean x | 88 | | | | | | Normal | |
| Minimise | 1.022 | specific | sample | standard | | | | |
| | | parameters | size | deviation | skewness | kurtosis | | |
| delta | 0.952 | 245 | 2668 | 0.00 | 1.00 | 0.4 | 3.6 | |
| sigma | 0.089 | | | | | | | |
| cfused | 1.050 | minimum | maximum | threshold | | | unbiased sigma | |
| cvused | 0.014 | -8.21 | 6.77 | 3.38 | | | 0.103 | |
| mean x | 87 | | | | | | Lognormal | |
| Minimise | -1.207 | specific | sample | standard | | | | |
| | | parameters | size | deviation | skewness | kurtosis | | |
| In(sigma) | -2.324 | 255 | 2733 | 0.03 | 1.01 | -0.2 | 9.0 | |
| delta | 0.907 | | | | | | | |
| sigma | 0.098 | | | | | | | |
| cfused | 1.049 | minimum | maximum | threshold | | | unbiased sigma | |
| cvused | 0.014 | -4.52 | 3.75 | 3.37 | | | 0.095 | |
| mean x | 88 | | | | | | Lognormal | |
| Minimise | -1.327 | specific | sample | standard | | | | |
| | | parameters | size | deviation | skewness | kurtosis | | |
| In(sigma) | -2.405 | 246 | 2684 | 0.02 | 1.00 | 0.0 | 3.8 | |
| delta | 0.936 | | | | | | | |
| sigma | 0.090 | | | | | | | |
| cfused | 1.050 | minimum | maximum | threshold | | | unbiased sigma | |
| cvused | 0.014 | -4.54 | 3.36 | 3.37 | | | 0.095 | |
| mean x | 88 | | | | | | Lognormal | |
| Minimise | -1.360 | specific | sample | standard | | | | |
| | | parameters | size | deviation | skewness | kurtosis | | |
| In(sigma) | -2.402 | 246 | 2673 | 0.02 | 1.00 | 0.2 | 3.4 | |
| delta | 0.955 | | | | | | | |
| sigma | 0.091 | | | | | | | |

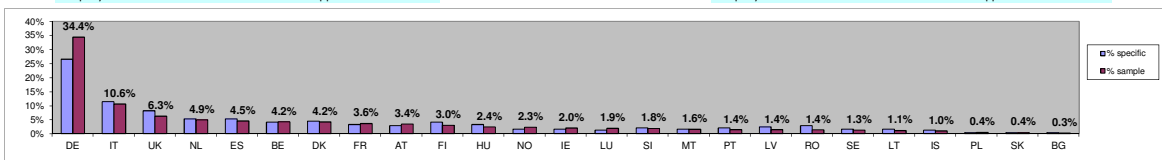


| | mean | median |
|-------------------|-------|--------|
| unbiased estimate | 10.58 | 9.38 |
| model pattern | 12.19 | 9.82 |



| | Population average implied kappa | | 1.00 |
|-------------------|----------------------------------|-------|------|
| policyholder view | 50% | Kappa | 0.99 |
| policyholder view | 75% | Kappa | 1.00 |
| policyholder view | 90% | Kappa | 1.03 |
| policyholder view | 95% | Kappa | 1.07 |
| company view | 50% | Kappa | 1.08 |
| company view | 65% | Kappa | 1.20 |

| | Population average implied kappa | | 1.00 |
|-------------------|----------------------------------|-------|------|
| policyholder view | 50% | Kappa | 0.99 |
| policyholder view | 75% | Kappa | 1.00 |
| policyholder view | 90% | Kappa | 1.03 |
| policyholder view | 95% | Kappa | 1.07 |
| company view | 50% | Kappa | 1.07 |
| company view | 65% | Kappa | 1.19 |



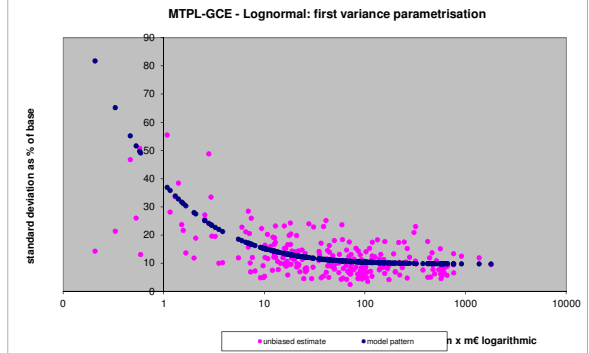
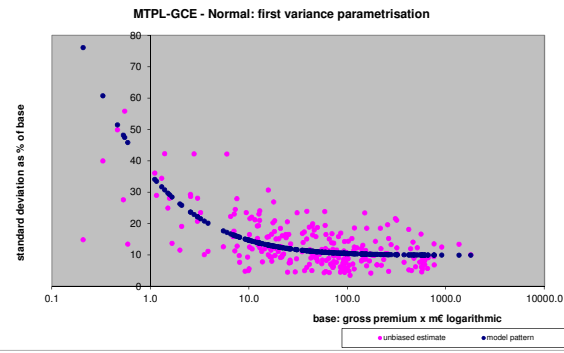
Motor third party liability - Gross current estimate loss concept

| Motor third party liability | | Gross current estimate loss concept | | | | | MTPL-GCE |
|-----------------------------|--------------|-------------------------------------|-------------|--------------------|----------|----------------|----------|
| cfused | 1.047 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.014 | -5.98 | 6.75 | 3.40 | | 0.119 | |
| mean x | 145 | | | | | Normal | |
| Minimise | 1.901 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| delta | 0.930 | 261 | 2995 | 0.01 | 1.00 | 0.5 | 7.6 |
| sigma | 0.114 | | | | | | |

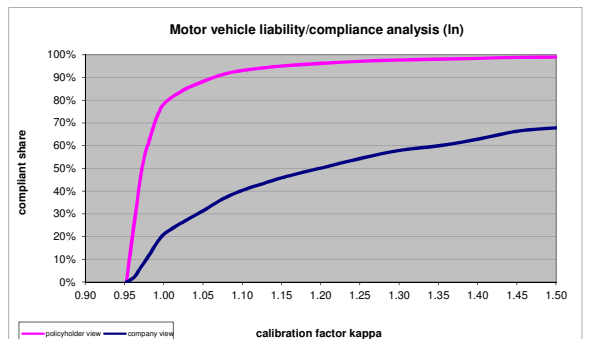
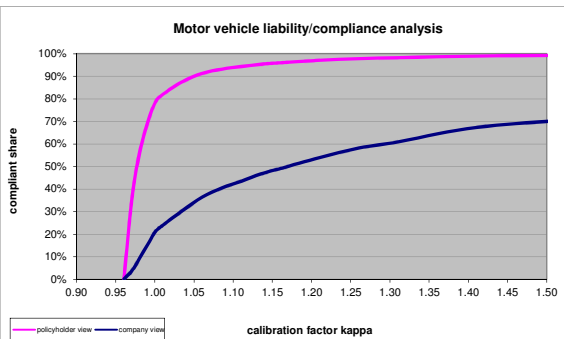
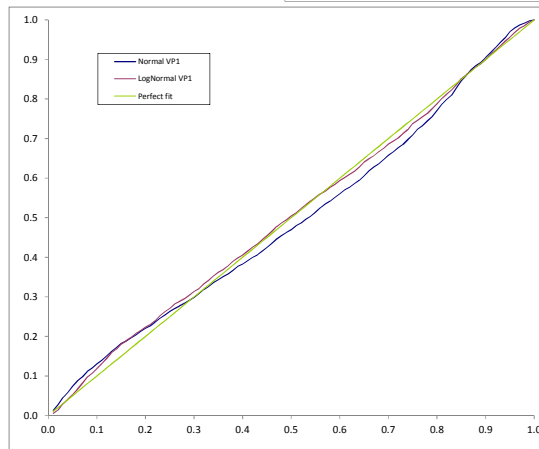
| Motor third party liability | | Gross current estimate loss concept | | | | | MTPL-GCE |
|-----------------------------|---------------|-------------------------------------|-------------|--------------------|----------|----------------|----------|
| cfused | 1.047 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.014 | -8.73 | 4.94 | 3.40 | | 0.125 | |
| mean x | 145 | | | | | Lognormal | |
| Minimise | -1.237 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| In(sigma) | -2.124 | 261 | 2995 | 0.03 | 1.00 | -0.9 | 11.4 |
| delta | 0.947 | | | | | | |
| sigma | 0.120 | | | | | | |

| Motor third party liability | | Gross current estimate loss concept | | | | | MTPL-GCE |
|-----------------------------|--------------|-------------------------------------|-------------|--------------------|----------|----------------|----------|
| cfused | 1.046 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.014 | -3.81 | 3.77 | 3.40 | | 0.105 | |
| mean x | 145 | | | | | Normal | |
| Minimise | 1.795 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| delta | 0.924 | 251 | 2936 | 0.01 | 1.00 | 0.5 | 4.0 |
| sigma | 0.100 | | | | | | |

| Motor third party liability | | Gross current estimate loss concept | | | | | MTPL-GCE |
|-----------------------------|---------------|-------------------------------------|-------------|--------------------|----------|----------------|----------|
| cfused | 1.046 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.014 | -3.47 | 3.77 | 3.40 | | 0.102 | |
| mean x | 145 | | | | | Lognormal | |
| Minimise | -1.398 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| In(sigma) | -2.342 | 251 | 2930 | 0.02 | 1.00 | 0.1 | 3.5 |
| delta | 0.907 | | | | | | |
| sigma | 0.096 | | | | | | |

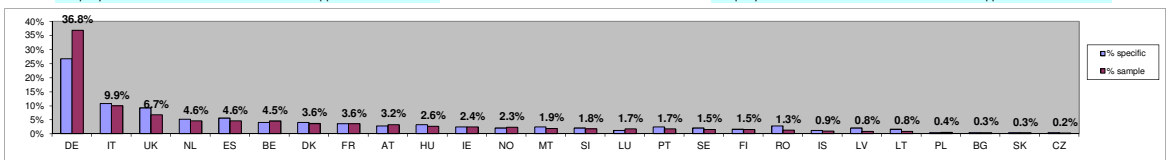


| | mean | median |
|-------------------|-------|--------|
| unbiased estimate | 13.39 | 11.39 |
| model pattern | 13.51 | 10.85 |



| | Population average implied kappa | 1.01 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 0.98 |
| policyholder view | 75% | Kappa 1.00 |
| policyholder view | 90% | Kappa 1.05 |
| policyholder view | 95% | Kappa 1.13 |
| company view | 50% | Kappa 1.17 |
| company view | 65% | Kappa 1.37 |

| | Population average implied kappa | 1.02 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 0.97 |
| policyholder view | 75% | Kappa 0.99 |
| policyholder view | 90% | Kappa 1.06 |
| policyholder view | 95% | Kappa 1.15 |
| company view | 50% | Kappa 1.20 |
| company view | 65% | Kappa 1.43 |



Fire and other damage to property - Gross current estimate loss concept

| Fire and other damage to property | | Gross current estimate loss concept | | | | | PROP-GCE |
|-----------------------------------|-------|-------------------------------------|-------------|--------------------|----------|----------------|----------|
| cfused | 1.051 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.014 | -3.82 | 19.98 | 3.39 | | 0.222 | |
| mean x | 120 | | | | | Normal | |
| Minimise | 1.884 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| delta | 0.992 | 270 | 2840 | 0.00 | 1.00 | 5.4 | |
| sigma | 0.211 | | | | | 79.8 | |

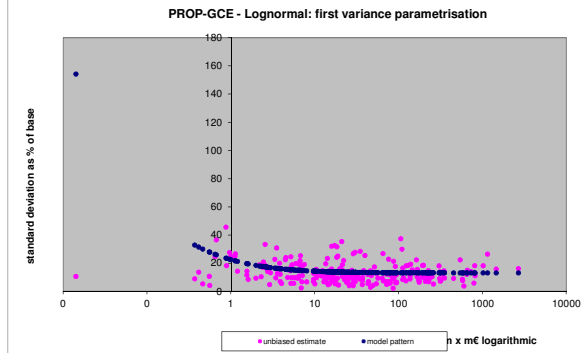
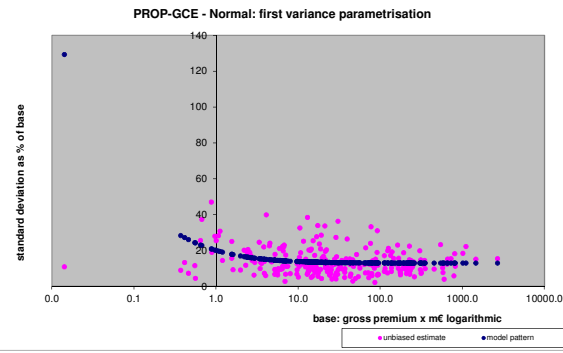
| Fire and other damage to property | | Gross current estimate loss concept | | | | | PROP-GCE |
|-----------------------------------|-------|-------------------------------------|-------------|--------------------|----------|----------------|----------|
| cfused | 1.051 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.014 | -4.26 | 6.07 | 3.38 | | 0.148 | |
| mean x | 120 | | | | | Normal | |
| Minimise | 1.513 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| delta | 0.987 | 261 | 2786 | 0.00 | 1.00 | 1.1 | |
| sigma | 0.141 | | | | | 7.7 | |

| Fire and other damage to property | | Gross current estimate loss concept | | | | | PROP-GCE |
|-----------------------------------|-------|-------------------------------------|-------------|--------------------|----------|----------------|----------|
| cfused | 1.051 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.014 | -4.06 | 3.94 | 3.38 | | 0.129 | |
| mean x | 121 | | | | | Normal | |
| Minimise | 1.376 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| delta | 0.988 | 261 | 2751 | 0.00 | 1.00 | 0.7 | |
| sigma | 0.123 | | | | | 4.8 | |

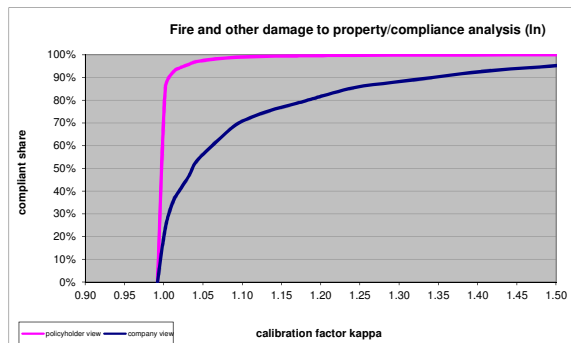
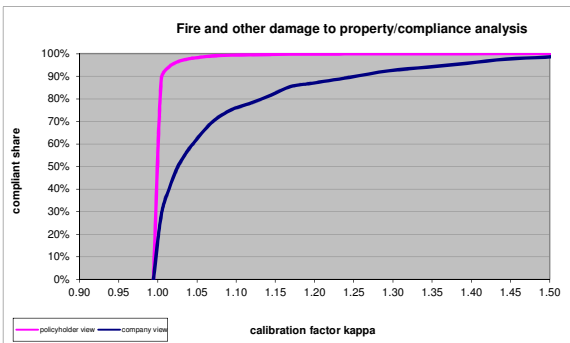
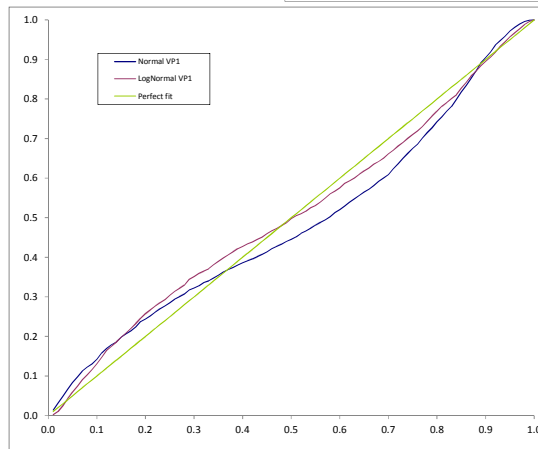
| Fire and other damage to property | | Gross current estimate loss concept | | | | | PROP-GCE |
|-----------------------------------|--------|-------------------------------------|-------------|--------------------|----------|----------------|----------|
| cfused | 1.051 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.014 | -7.48 | 8.40 | 3.39 | | 0.204 | |
| mean x | 120 | | | | | Lognormal | |
| Minimise | -0.536 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| In(sigma) | -1.642 | 270 | 2840 | 0.05 | 1.00 | -1.0 | |
| delta | 0.986 | | | | | 15.5 | |
| sigma | 0.194 | | | | | | |

| Fire and other damage to property | | Gross current estimate loss concept | | | | | PROP-GCE |
|-----------------------------------|--------|-------------------------------------|-------------|--------------------|----------|----------------|----------|
| cfused | 1.050 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.014 | -5.55 | 4.35 | 3.38 | | 0.147 | |
| mean x | 121 | | | | | Lognormal | |
| Minimise | -0.818 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| In(sigma) | -1.969 | 259 | 2766 | 0.03 | 1.00 | 0.0 | |
| delta | 0.983 | | | | | 6.2 | |
| sigma | 0.140 | | | | | | |

| Fire and other damage to property | | Gross current estimate loss concept | | | | | PROP-GCE |
|-----------------------------------|--------|-------------------------------------|-------------|--------------------|----------|----------------|----------|
| cfused | 1.051 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.014 | -4.53 | 3.63 | 3.38 | | 0.130 | |
| mean x | 122 | | | | | Lognormal | |
| Minimise | -0.926 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| In(sigma) | -2.092 | 258 | 2732 | 0.02 | 1.00 | 0.0 | |
| delta | 0.984 | | | | | 4.6 | |
| sigma | 0.123 | | | | | | |

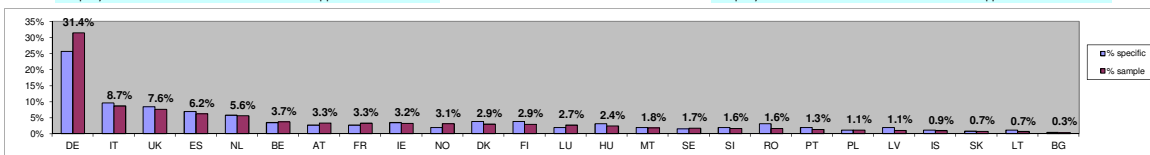


| | mean | median |
|-------------------|-------|--------|
| unbiased estimate | 13.51 | 11.85 |
| model pattern | 14.42 | 13.21 |



| | Population average implied kappa | 1.00 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 1.00 |
| policyholder view | 75% | Kappa 1.00 |
| policyholder view | 90% | Kappa 1.01 |
| policyholder view | 95% | Kappa 1.02 |
| company view | 50% | Kappa 1.03 |
| company view | 65% | Kappa 1.06 |

| | Population average implied kappa | 1.00 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 1.00 |
| policyholder view | 75% | Kappa 1.00 |
| policyholder view | 90% | Kappa 1.01 |
| policyholder view | 95% | Kappa 1.03 |
| company view | 50% | Kappa 1.04 |
| company view | 65% | Kappa 1.08 |



General liability - Gross current estimate loss concept

| General liability | | Gross current estimate loss concept | | | | | LIAB-GCE |
|-------------------|-------|-------------------------------------|-------------|--------------------|----------|----------------|----------|
| cfused | 1.049 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.014 | -5.43 | 30.78 | 3.40 | | 0.264 | |
| mean x | 51 | | | | | Normal | |
| Minimise | 0.976 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| delta | 0.997 | 273 | 3009 | 0.00 | 1.00 | 11.2 | |
| sigma | 0.252 | | | | | 316.8 | |

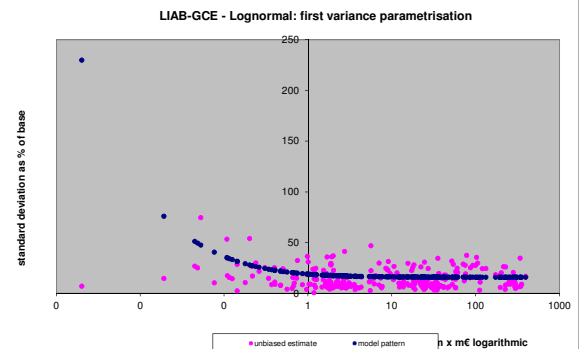
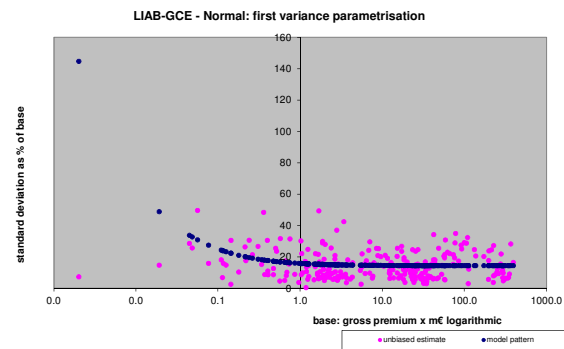
| General liability | | Gross current estimate loss concept | | | | | LIAB-GCE |
|-------------------|-------|-------------------------------------|-------------|--------------------|----------|----------------|----------|
| cfused | 1.048 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.014 | -4.24 | 5.94 | 3.40 | | 0.171 | |
| mean x | 51 | | | | | Normal | |
| Minimise | 0.558 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| delta | 0.996 | 263 | 2956 | 0.00 | 1.00 | 1.1 | |
| sigma | 0.163 | | | | | 8.0 | |

| General liability | | Gross current estimate loss concept | | | | | LIAB-GCE |
|-------------------|-------|-------------------------------------|-------------|--------------------|----------|----------------|----------|
| cfused | 1.049 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.014 | -3.59 | 4.49 | 3.39 | | 0.144 | |
| mean x | 52 | | | | | Normal | |
| Minimise | 0.387 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| delta | 0.996 | 263 | 2911 | 0.00 | 1.00 | 0.7 | |
| sigma | 0.137 | | | | | 5.5 | |

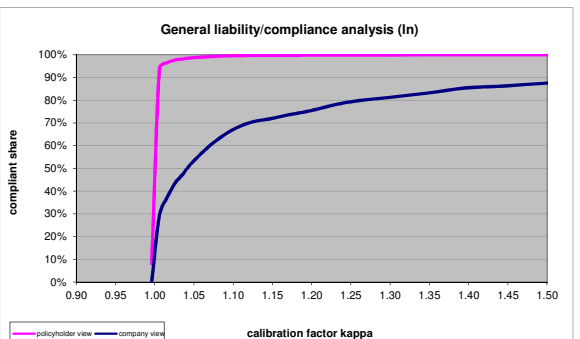
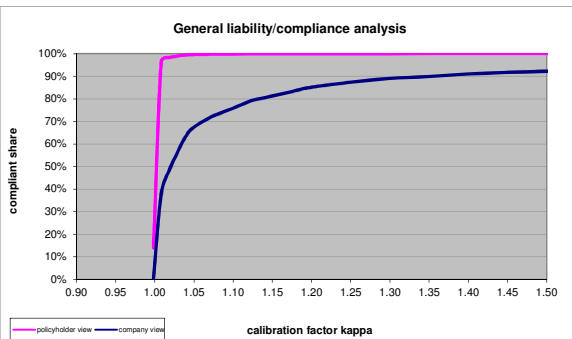
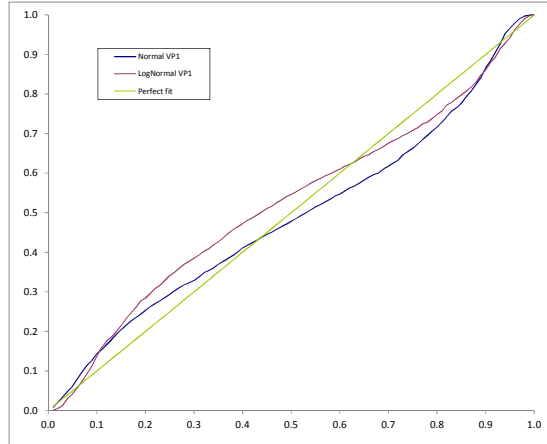
| General liability | | Gross current estimate loss concept | | | | | LIAB-GCE |
|-------------------|--------|-------------------------------------|-------------|--------------------|----------|----------------|----------|
| cfused | 1.048 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.014 | -4.75 | 3.77 | 3.40 | | 0.157 | |
| mean x | 51 | | | | | Lognormal | |
| Minimise | -0.601 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| In(sigma) | -1.382 | 273 | 3009 | 0.13 | 1.01 | -4.2 | |
| delta | 0.993 | | | | | 74.2 | |
| sigma | 0.251 | | | | | | |

| General liability | | Gross current estimate loss concept | | | | | LIAB-GCE |
|-------------------|--------|-------------------------------------|-------------|--------------------|----------|----------------|----------|
| cfused | 1.048 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.014 | -5.90 | 4.55 | 3.40 | | 0.175 | |
| mean x | 51 | | | | | Lognormal | |
| Minimise | -0.601 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| In(sigma) | -1.792 | 262 | 2951 | 0.06 | 1.00 | -0.4 | |
| delta | 0.992 | | | | | 6.6 | |
| sigma | 0.167 | | | | | | |

| General liability | | Gross current estimate loss concept | | | | | LIAB-GCE |
|-------------------|--------|-------------------------------------|-------------|--------------------|----------|----------------|----------|
| cfused | 1.048 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.014 | -4.75 | 3.77 | 3.40 | | 0.157 | |
| mean x | 51 | | | | | Lognormal | |
| Minimise | -0.694 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| In(sigma) | -1.898 | 262 | 2916 | 0.05 | 1.00 | -0.2 | |
| delta | 0.992 | | | | | 5.3 | |
| sigma | 0.150 | | | | | | |

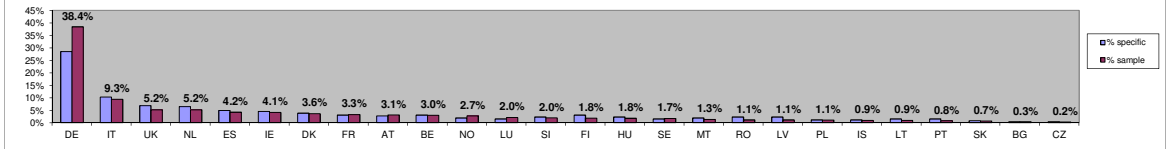


| | mean | median |
|-------------------|-------|--------|
| unbiased estimate | 14.14 | 11.18 |
| model pattern | 15.98 | 14.46 |



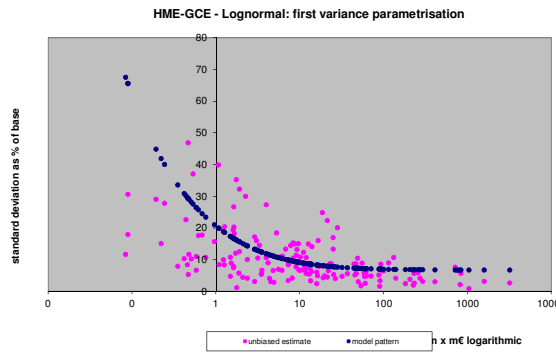
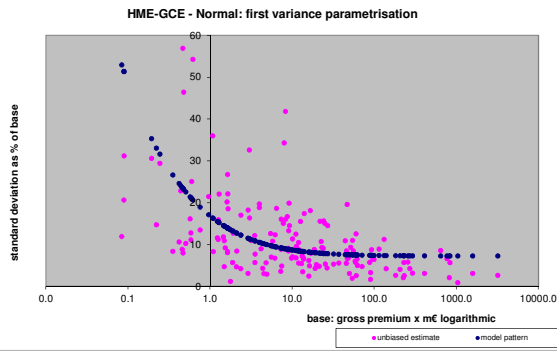
| | Population average implied kappa | Kappa |
|-------------------|----------------------------------|-------|
| policyholder view | 50% | 1.00 |
| policyholder view | 75% | 1.01 |
| policyholder view | 90% | 1.01 |
| policyholder view | 95% | 1.01 |
| company view | 50% | 1.02 |
| company view | 65% | 1.04 |

| | Population average implied kappa | Kappa |
|-------------------|----------------------------------|-------|
| policyholder view | 50% | 1.00 |
| policyholder view | 75% | 1.00 |
| policyholder view | 90% | 1.01 |
| policyholder view | 95% | 1.01 |
| company view | 50% | 1.04 |
| company view | 65% | 1.09 |

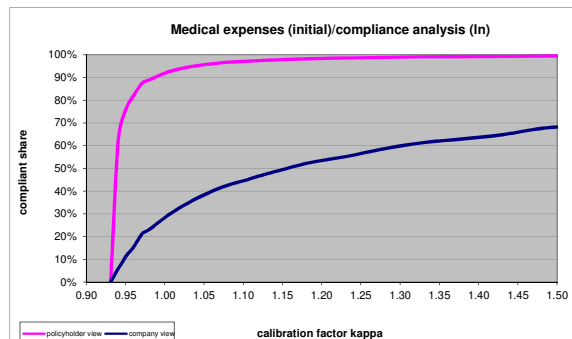
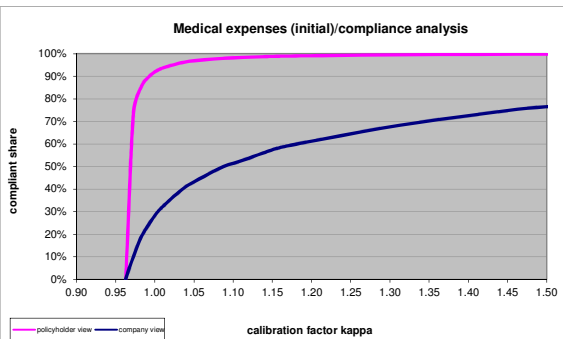
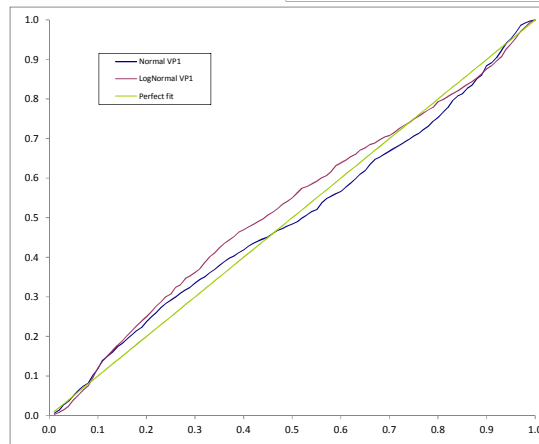


Medical expense - Gross current estimate loss concept

| Medical expense | | | | | | Gross current estimate loss concept | | | | | | HME-GCE | | | |
|-----------------|---------------|------------|---------|-----------|----------------|-------------------------------------|---------------|-----------|---------|------------|----------------|-----------|-----------|----------|----------|
| cfused | 1.061 | minimum | maximum | threshold | unbiased sigma | cfused | 1.061 | minimum | maximum | threshold | unbiased sigma | HME-GCE | | | |
| cvused | 0.019 | -4.44 | 11.96 | 3.23 | 0.105 | cvused | 0.019 | -6.68 | 6.69 | 3.23 | 0.098 | Lognormal | | | |
| mean x | 80 | | | | Normal | mean x | 80 | | | | Lognormal | | | | |
| Minimise | 0.141 | specific | sample | standard | | Minimise | -0.886 | specific | sample | standard | | | | | |
| delta | 0.960 | parameters | size | mean | deviation | skewness | kurtosis | In(sigma) | -2.381 | parameters | size | mean | deviation | skewness | kurtosis |
| sigma | 0.099 | 181 | 1625 | 0.00 | 1.00 | 2.0 | 22.8 | delta | 0.916 | 181 | 1625 | 0.06 | 1.01 | -0.9 | 11.0 |
| | | | | | | | | sigma | 0.092 | | | | | | |
| cfused | 1.056 | minimum | maximum | threshold | unbiased sigma | cfused | 1.056 | minimum | maximum | threshold | unbiased sigma | | | | |
| cvused | 0.019 | -4.14 | 4.49 | 3.22 | 0.079 | cvused | 0.019 | -4.44 | 3.82 | 3.22 | 0.073 | Lognormal | | | |
| mean x | 56 | | | | Normal | mean x | 56 | | | | Lognormal | | | | |
| Minimise | -0.149 | specific | sample | standard | | Minimise | -1.102 | specific | sample | standard | | | | | |
| delta | 0.925 | parameters | size | mean | deviation | skewness | kurtosis | In(sigma) | -2.666 | parameters | size | mean | deviation | skewness | kurtosis |
| sigma | 0.075 | 159 | 1546 | 0.00 | 1.00 | 0.2 | 4.8 | delta | 0.843 | 159 | 1538 | 0.06 | 1.01 | -0.4 | 4.6 |
| | | | | | | | | sigma | 0.070 | | | | | | |
| cfused | 1.056 | minimum | maximum | threshold | unbiased sigma | cfused | 1.057 | minimum | maximum | threshold | unbiased sigma | | | | |
| cvused | 0.019 | -3.47 | 3.82 | 3.22 | 0.075 | cvused | 0.019 | -3.90 | 3.46 | 3.21 | 0.071 | Lognormal | | | |
| mean x | 57 | | | | Normal | mean x | 56 | | | | Lognormal | | | | |
| Minimise | -0.211 | specific | sample | standard | | Minimise | -1.162 | specific | sample | standard | | | | | |
| delta | 0.927 | parameters | size | mean | deviation | skewness | kurtosis | In(sigma) | -2.699 | parameters | size | mean | deviation | skewness | kurtosis |
| sigma | 0.071 | 159 | 1533 | 0.00 | 1.00 | 0.2 | 4.2 | delta | 0.866 | 159 | 1525 | 0.05 | 1.01 | -0.3 | 4.0 |
| | | | | | | | | sigma | 0.067 | | | | | | |

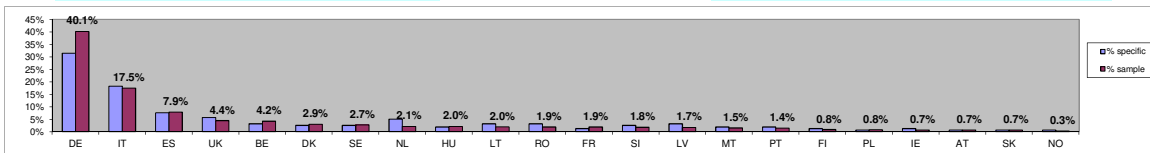


| | mean | median |
|-------------------|-------|--------|
| unbiased estimate | 11.31 | 8.76 |
| model pattern | 11.80 | 8.74 |



| | Population average implied kappa | 0.98 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 0.97 |
| policyholder view | 75% | Kappa 0.97 |
| policyholder view | 90% | Kappa 0.99 |
| policyholder view | 95% | Kappa 1.02 |
| company view | 50% | Kappa 1.09 |
| company view | 65% | Kappa 1.26 |

| | Population average implied kappa | 0.96 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 0.94 |
| policyholder view | 75% | Kappa 0.95 |
| policyholder view | 90% | Kappa 0.99 |
| policyholder view | 95% | Kappa 1.04 |
| company view | 50% | Kappa 1.16 |
| company view | 65% | Kappa 1.43 |

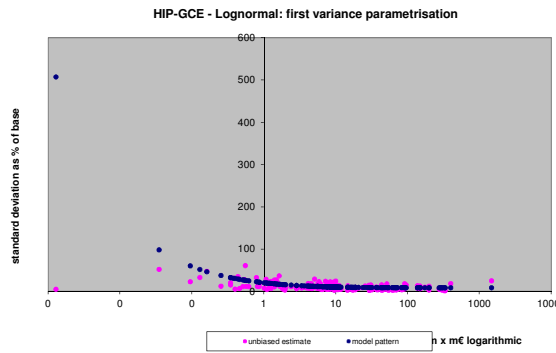
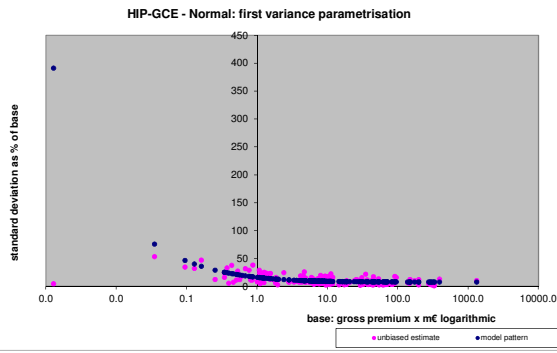


Income protection - Gross current estimate loss concept

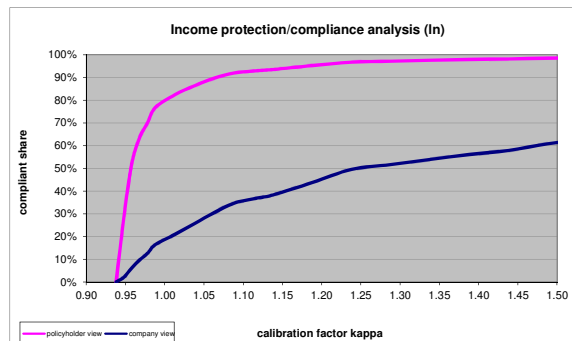
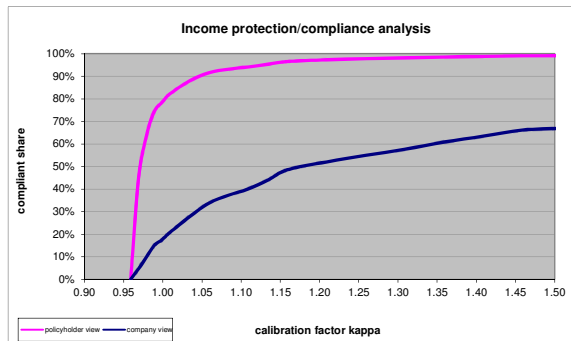
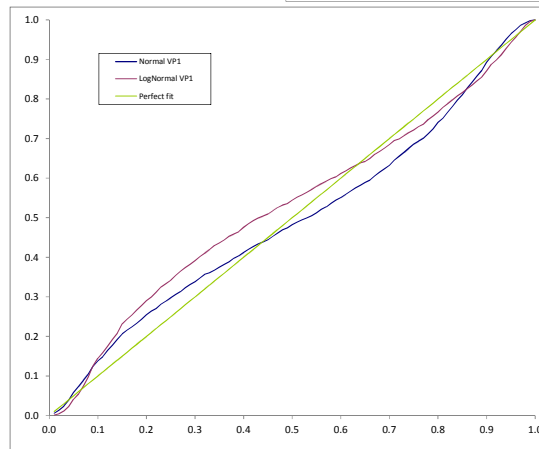
| Income protection | | Gross current estimate loss concept | | | | | HIP-GCE | |
|-------------------|--------------|-------------------------------------|---------|-----------|----------|----------------|---------|--|
| cfused | 1.048 | minimum | maximum | threshold | | unbiased sigma | | |
| cvused | 0.016 | -6.83 | 11.16 | 3.32 | | 0.115 | | |
| mean x | 43 | | | | | Normal | | |
| Minimise | 0.321 | specific | sample | standard | | | | |
| | | parameters | size | deviation | skewness | kurtosis | | |
| delta | 0.947 | 200 | 2226 | 0.01 | 1.00 | 1.5 | 21.8 | |
| sigma | 0.110 | | | | | | | |

| Income protection | | Gross current estimate loss concept | | | | | HIP-GCE | |
|-------------------|--------------|-------------------------------------|---------|-----------|----------|----------------|---------|--|
| cfused | 1.048 | minimum | maximum | threshold | | unbiased sigma | | |
| cvused | 0.016 | -4.24 | 4.61 | 3.31 | | 0.087 | | |
| mean x | 41 | | | | | Lognormal | | |
| Minimise | 0.061 | specific | sample | standard | | | | |
| | | parameters | size | deviation | skewness | kurtosis | | |
| delta | 0.930 | 192 | 2170 | 0.01 | 1.00 | 0.5 | 5.8 | |
| sigma | 0.083 | | | | | | | |

| Income protection | | Gross current estimate loss concept | | | | | HIP-GCE | |
|-------------------|---------------|-------------------------------------|---------|-----------|----------|----------------|---------|--|
| cfused | 1.048 | minimum | maximum | threshold | | unbiased sigma | | |
| cvused | 0.016 | -4.45 | 3.85 | 3.31 | | 0.077 | | |
| mean x | 40 | | | | | Lognormal | | |
| Minimise | -0.857 | specific | sample | standard | | | | |
| | | parameters | size | deviation | skewness | kurtosis | | |
| delta | 0.879 | 192 | 2154 | 0.06 | 1.01 | -0.3 | 5.1 | |
| sigma | 0.079 | | | | | | | |

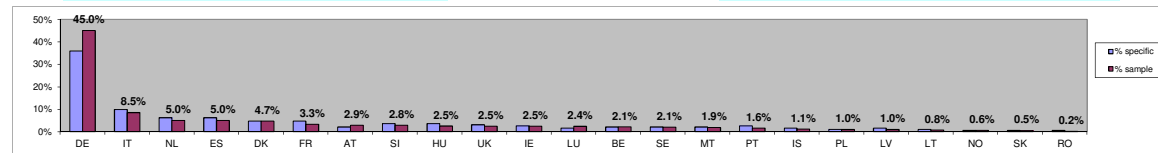


| | mean | median |
|-------------------|-------|--------|
| unbiased estimate | 10.52 | 7.61 |
| model pattern | 12.90 | 8.70 |



| | Population average implied kappa | 1.01 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 0.97 |
| policyholder view | 75% | Kappa 0.99 |
| policyholder view | 90% | Kappa 1.05 |
| policyholder view | 95% | Kappa 1.13 |
| company view | 50% | Kappa 1.18 |
| company view | 65% | Kappa 1.44 |

| | Population average implied kappa | 1.01 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 0.96 |
| policyholder view | 75% | Kappa 0.99 |
| policyholder view | 90% | Kappa 1.07 |
| policyholder view | 95% | Kappa 1.18 |
| company view | 50% | Kappa 1.25 |
| company view | 65% | Kappa 1.61 |

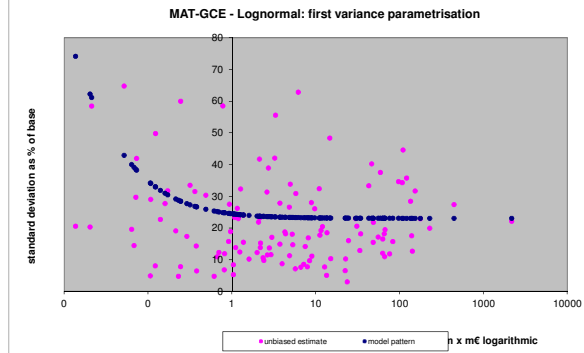
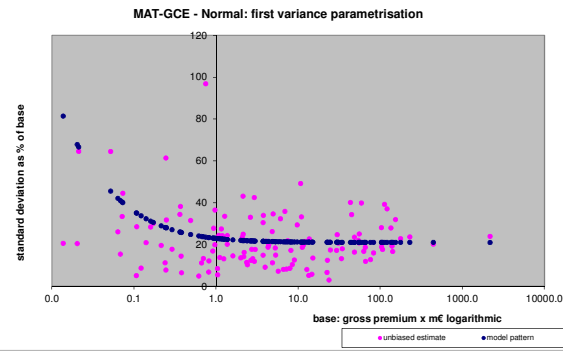


Marine, aviation and transport - Gross current estimate loss concept

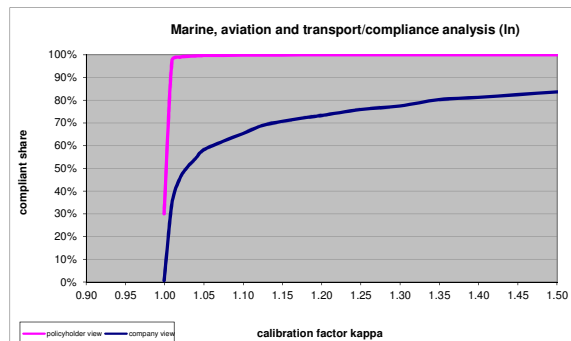
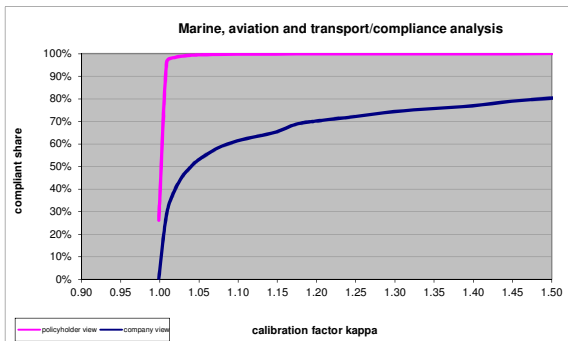
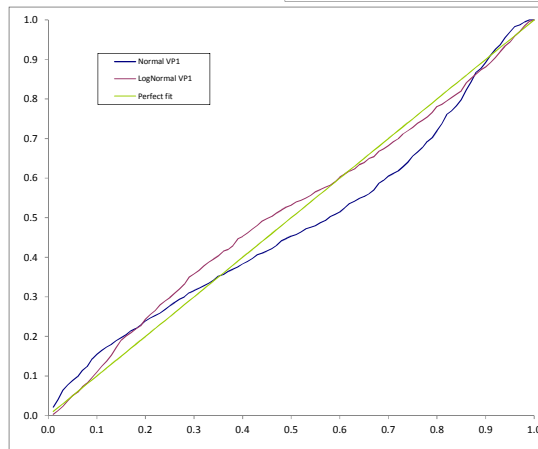
| Marine, aviation and transport | | | | | | | | | | Gross current estimate loss concept | | | | | MAT-GCE | | | | | | |
|--------------------------------|--------------|------------|---------|-----------|----------------|----------|-------|--|--|-------------------------------------|-----------------|---------------|------------|---------|-----------|----------------|----------|------|--|--|--|
| cfused | 1.055 | minimum | maximum | threshold | unbiased sigma | | | | | | cfused | 1.055 | minimum | maximum | threshold | unbiased sigma | | | | | |
| cvused | 0.021 | -2.19 | 27.33 | 3.17 | 0.331 | | | | | | cvused | 0.021 | -5.44 | 9.12 | 3.17 | 0.364 | | | | | |
| mean x | 61 | | | | Normal | | | | | | mean x | 61 | | | | Lognormal | | | | | |
| Minimise | 1.509 | specific | sample | standard | | | | | | | Minimise | -0.040 | specific | sample | standard | | | | | | |
| | | parameters | size | deviation | skewness | kurtosis | | | | | | | parameters | size | deviation | skewness | kurtosis | | | | |
| delta | 0.541 | 133 | 1307 | 0.03 | 1.00 | 16.8 | 434.4 | | | | delta | 0.999 | 133 | 1307 | 0.12 | 1.03 | 0.2 | 12.3 | | | |
| sigma | 0.314 | | | | | | | | | | sigma | 0.345 | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | |
|-----------------|--------------|------------|---------|-----------|----------------|----------|------|--|--|--|-----------------|---------------|------------|---------|-----------|----------------|----------|-----|--|--|--|
| cfused | 1.055 | minimum | maximum | threshold | unbiased sigma | | | | | | cfused | 1.055 | minimum | maximum | threshold | unbiased sigma | | | | | |
| cvused | 0.021 | -2.74 | 13.15 | 3.16 | 0.260 | | | | | | cvused | 0.021 | -4.88 | 3.89 | 3.16 | 0.272 | | | | | |
| mean x | 62 | | | | Normal | | | | | | mean x | 63 | | | | Lognormal | | | | | |
| Minimise | 0.483 | specific | sample | standard | | | | | | | Minimise | -0.290 | specific | sample | standard | | | | | | |
| | | parameters | size | deviation | skewness | kurtosis | | | | | | | parameters | size | deviation | skewness | kurtosis | | | | |
| delta | 0.986 | 129 | 1286 | 0.01 | 1.00 | 3.6 | 34.7 | | | | delta | 0.998 | 127 | 1263 | 0.05 | 1.01 | -0.5 | 6.2 | | | |
| sigma | 0.247 | | | | | | | | | | sigma | 0.258 | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | |
|-----------------|--------------|------------|---------|-----------|----------------|----------|-----|--|--|--|-----------------|---------------|------------|---------|-----------|----------------|----------|-----|--|--|--|
| cfused | 1.055 | minimum | maximum | threshold | unbiased sigma | | | | | | cfused | 1.055 | minimum | maximum | threshold | unbiased sigma | | | | | |
| cvused | 0.021 | -3.50 | 5.79 | 3.16 | 0.209 | | | | | | cvused | 0.021 | -4.42 | 3.59 | 3.15 | 0.230 | | | | | |
| mean x | 62 | | | | Normal | | | | | | mean x | 64 | | | | Lognormal | | | | | |
| Minimise | 0.120 | specific | sample | standard | | | | | | | Minimise | -0.434 | specific | sample | standard | | | | | | |
| | | parameters | size | deviation | skewness | kurtosis | | | | | | | parameters | size | deviation | skewness | kurtosis | | | | |
| delta | 0.997 | 129 | 1269 | 0.00 | 1.00 | 1.2 | 6.5 | | | | delta | 0.998 | 125 | 1238 | 0.03 | 1.00 | -0.1 | 4.2 | | | |
| sigma | 0.198 | | | | | | | | | | sigma | 0.218 | | | | | | | | | |

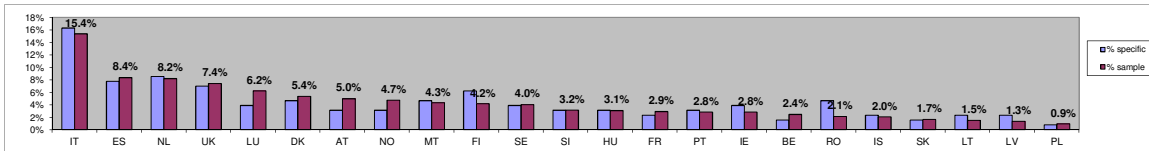


| | mean | median |
|-------------------|-------|--------|
| unbiased estimate | 21.97 | 19.42 |
| model pattern | 24.44 | 21.38 |



| | Population average implied kappa | Kappa | 1.00 |
|-------------------|----------------------------------|-------|------|
| policyholder view | 50% | Kappa | 1.00 |
| policyholder view | 75% | Kappa | 1.01 |
| policyholder view | 90% | Kappa | 1.01 |
| policyholder view | 95% | Kappa | 1.01 |
| company view | 50% | Kappa | 1.04 |
| company view | 65% | Kappa | 1.15 |

| | Population average implied kappa | Kappa | 1.00 |
|-------------------|----------------------------------|-------|------|
| policyholder view | 50% | Kappa | 1.00 |
| policyholder view | 75% | Kappa | 1.01 |
| policyholder view | 90% | Kappa | 1.01 |
| policyholder view | 95% | Kappa | 1.01 |
| company view | 50% | Kappa | 1.03 |
| company view | 65% | Kappa | 1.10 |



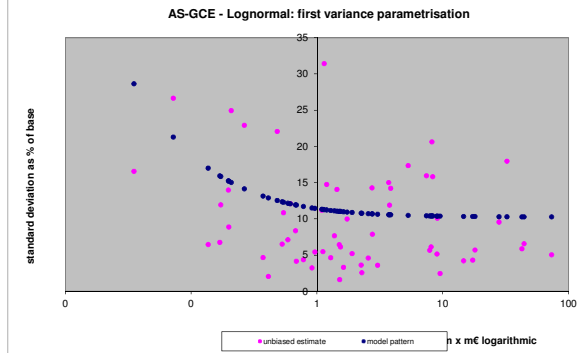
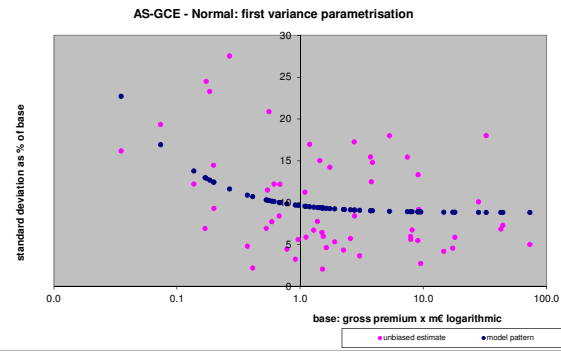
Assistance - Gross current estimate loss concept

| Assistance | | Gross current estimate loss concept | | | | | | AS-GCE |
|-----------------|---------------|-------------------------------------|-------------|--------------------|----------|----------|----------------|--------|
| cfused | 1.071 | minimum | maximum | threshold | | | unbiased sigma | |
| cvused | 0.033 | -4.97 | 6.29 | 2.89 | | | 0.139 | |
| mean x | 8 | | | | | | Normal | |
| Minimise | -1.354 | specific parameters | sample size | standard deviation | skewness | kurtosis | | |
| delta | 0.986 | 67 | 524 | 0.00 | 1.00 | 0.5 | 8.6 | |
| sigma | 0.130 | | | | | | | |

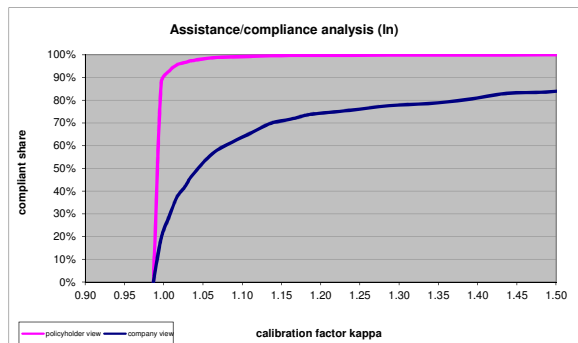
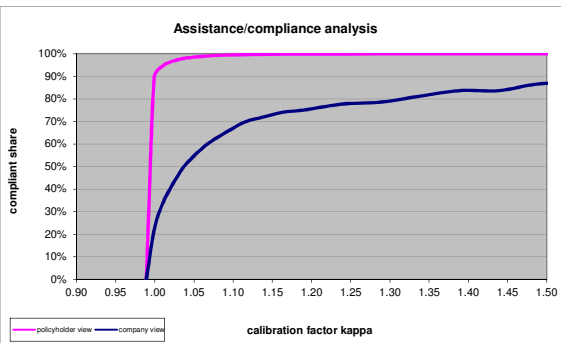
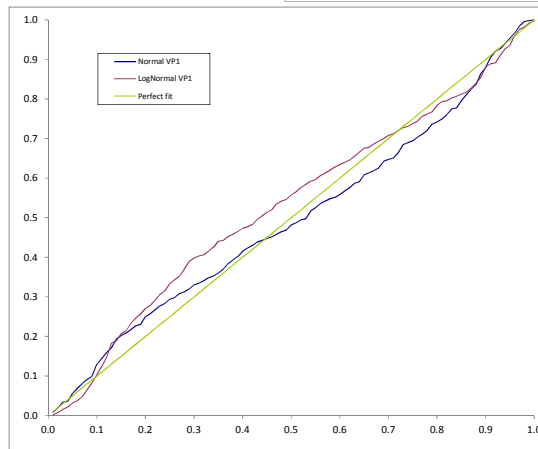
| Assistance | | Gross current estimate loss concept | | | | | | AS-GCE |
|-----------------|---------------|-------------------------------------|-------------|--------------------|----------|----------|----------------|--------|
| cfused | 1.071 | minimum | maximum | threshold | | | unbiased sigma | |
| cvused | 0.033 | -7.53 | 3.01 | 2.89 | | | 0.184 | |
| mean x | 8 | | | | | | Lognormal | |
| Minimise | -0.286 | specific parameters | sample size | standard deviation | skewness | kurtosis | | |
| In(sigma) | -1.761 | 67 | 524 | 0.11 | 1.01 | -2.3 | 16.4 | |
| delta | 0.992 | | | | | | | |
| sigma | 0.172 | | | | | | | |

| Assistance | | Gross current estimate loss concept | | | | | | AS-GCE |
|-----------------|---------------|-------------------------------------|-------------|--------------------|----------|----------|----------------|--------|
| cfused | 1.068 | minimum | maximum | threshold | | | unbiased sigma | |
| cvused | 0.034 | -3.66 | 3.64 | 2.87 | | | 0.089 | |
| mean x | 9 | | | | | | Normal | |
| Minimise | -1.550 | specific parameters | sample size | standard deviation | skewness | kurtosis | | |
| delta | 0.980 | 60 | 494 | 0.00 | 1.00 | 0.3 | 5.2 | |
| sigma | 0.100 | | | | | | | |

| Assistance | | Gross current estimate loss concept | | | | | | AS-GCE |
|-----------------|---------------|-------------------------------------|-------------|--------------------|----------|----------|----------------|--------|
| cfused | 1.069 | minimum | maximum | threshold | | | unbiased sigma | |
| cvused | 0.034 | -3.68 | 2.83 | 2.87 | | | 0.104 | |
| mean x | 9 | | | | | | Lognormal | |
| Minimise | -0.726 | specific parameters | sample size | standard deviation | skewness | kurtosis | | |
| In(sigma) | -2.334 | 60 | 487 | 0.05 | 1.00 | -0.3 | 3.9 | |
| delta | 0.973 | | | | | | | |
| sigma | 0.097 | | | | | | | |

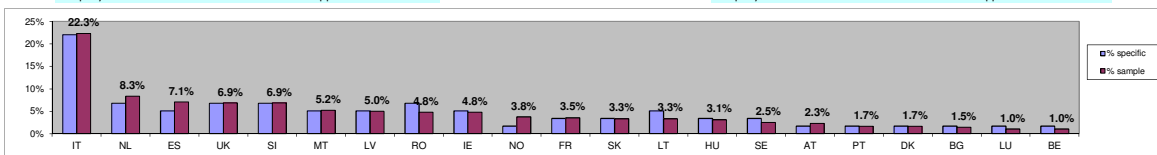


| | mean | median |
|-------------------|-------|--------|
| unbiased estimate | 10.01 | 7.73 |
| model pattern | 10.08 | 9.33 |



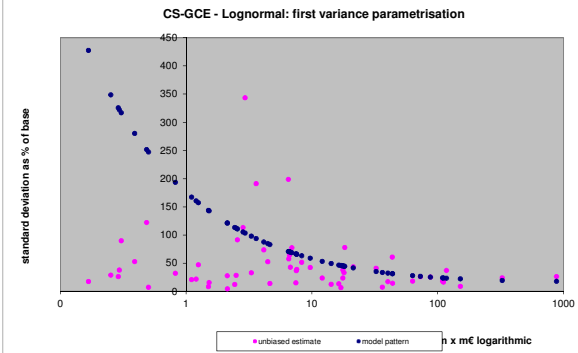
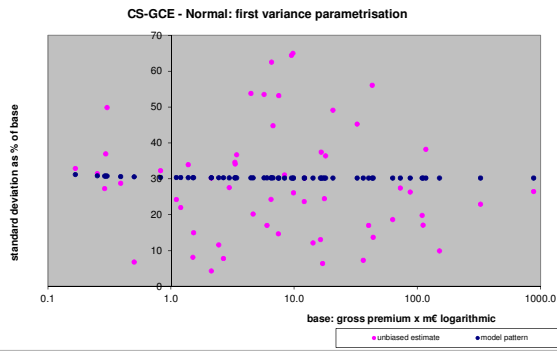
| | Population average implied kappa | | 1.00 |
|-------------------|----------------------------------|-------|------|
| policyholder view | 50% | Kappa | 0.99 |
| policyholder view | 75% | Kappa | 1.00 |
| policyholder view | 90% | Kappa | 1.00 |
| policyholder view | 95% | Kappa | 1.01 |
| company view | 50% | Kappa | 1.04 |
| company view | 65% | Kappa | 1.09 |

| | Population average implied kappa | | 0.99 |
|-------------------|----------------------------------|-------|------|
| policyholder view | 50% | Kappa | 0.99 |
| policyholder view | 75% | Kappa | 1.00 |
| policyholder view | 90% | Kappa | 1.00 |
| policyholder view | 95% | Kappa | 1.01 |
| company view | 50% | Kappa | 1.04 |
| company view | 65% | Kappa | 1.11 |

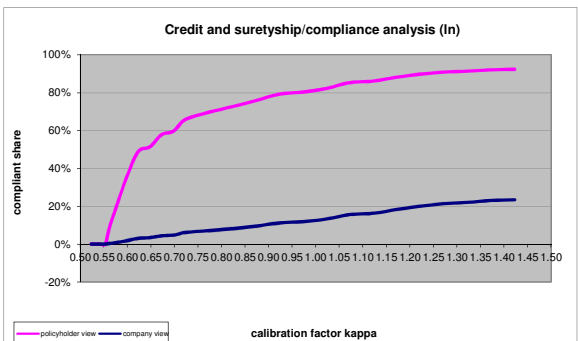
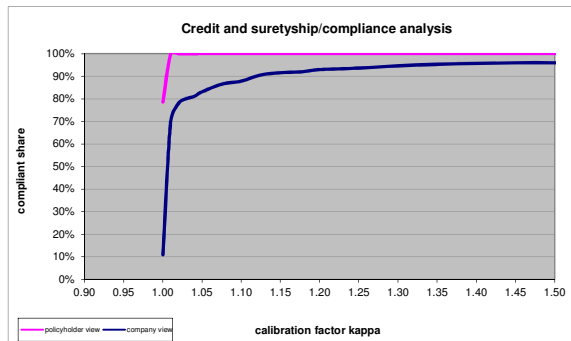
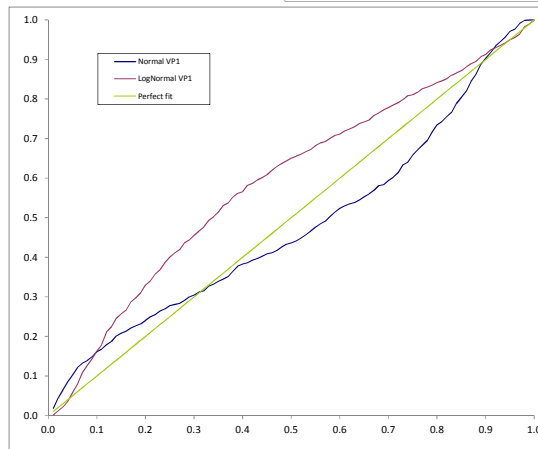


Credit and suretyship - Gross current estimate loss concept

| Credit and suretyship | | Gross current estimate loss concept | | | | | CS-GCE |
|-----------------------|-------|-------------------------------------|-------------|--------------------|----------|----------------|--------|
| cfused | 1.061 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.031 | -2.70 | 10.62 | 2.93 | | 0.679 | |
| mean x | 41 | | | | | Normal | |
| Minimise | 1.476 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| delta | 1.000 | 64 | 580 | 0.00 | 1.00 | 4.0 | |
| sigma | 0.640 | | | | | 34.1 | |
| cfused | 1.058 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.032 | -2.73 | 5.71 | 2.91 | | 0.405 | |
| mean x | 43 | | | | | Normal | |
| Minimise | 1.064 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| delta | 1.000 | 59 | 555 | 0.00 | 1.00 | 1.6 | |
| sigma | 0.383 | | | | | 8.4 | |
| cfused | 1.060 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.032 | -6.37 | 3.29 | 2.91 | | 0.312 | |
| mean x | 43 | | | | | Lognormal | |
| Minimise | 0.341 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| delta | 1.000 | 59 | 544 | 0.25 | 1.06 | -0.4 | |
| sigma | 0.295 | | | | | 5.7 | |

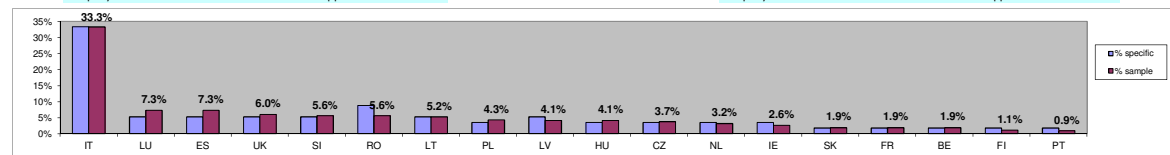


| | mean | median |
|-------------------|-------|--------|
| unbiased estimate | 28.80 | 27.21 |
| model pattern | 30.24 | 30.16 |



| | Population average implied kappa | 1.00 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 1.00 |
| policyholder view | 75% | Kappa 1.00 |
| policyholder view | 90% | Kappa 1.01 |
| policyholder view | 95% | Kappa 1.01 |
| company view | 50% | Kappa 1.01 |
| company view | 65% | Kappa 1.01 |

| | Population average implied kappa | 1.16 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 0.63 |
| policyholder view | 75% | Kappa 0.86 |
| policyholder view | 90% | Kappa 1.24 |
| policyholder view | 95% | Kappa 1.00 |
| company view | 50% | Kappa 3.57 |
| company view | 65% | Kappa 4.78 |



Legal expenses - Gross current estimate loss concept

| Legal expenses | | Gross current estimate loss concept | | | | | LE-GCE |
|----------------|-------|-------------------------------------|-------------|--------------------|----------|----------------|--------|
| cfused | 1.052 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.022 | -3.03 | 9.91 | 3.14 | | 0.158 | |
| mean x | 34 | | | | | Normal | |
| Minimise | 0.036 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| delta | 0.997 | 114 | 1183 | 0.00 | 1.00 | 3.1 | |
| sigma | 0.150 | | | | | 28.6 | |

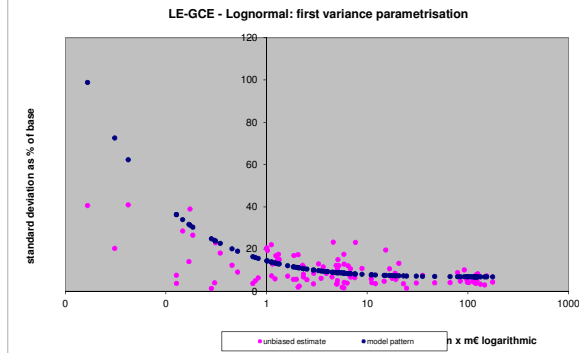
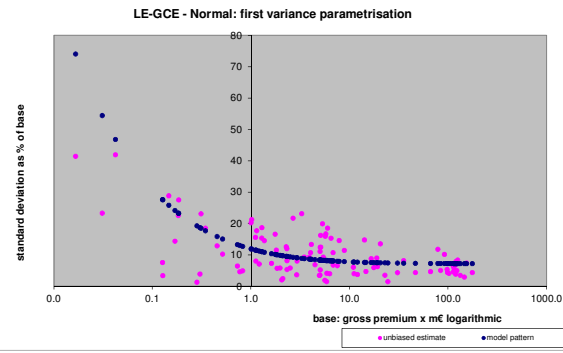
| Legal expenses | | Gross current estimate loss concept | | | | | LE-GCE |
|----------------|--------|-------------------------------------|-------------|--------------------|----------|----------------|--------|
| cfused | 1.052 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.022 | -8.52 | 6.34 | 3.14 | | 0.131 | |
| mean x | 34 | | | | | Lognormal | |
| Minimise | -0.599 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| In(sigma) | -2.083 | 114 | 1183 | 0.09 | 1.01 | -0.5 | |
| delta | 0.953 | | | | | 14.8 | |
| sigma | 0.125 | | | | | | |

| Legal expenses | | Gross current estimate loss concept | | | | | LE-GCE |
|----------------|--------|-------------------------------------|-------------|--------------------|----------|----------------|--------|
| cfused | 1.051 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.022 | -3.85 | 6.19 | 3.13 | | 0.094 | |
| mean x | 35 | | | | | Normal | |
| Minimise | -0.291 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| delta | 0.974 | 108 | 1149 | 0.01 | 1.00 | 0.9 | |
| sigma | 0.089 | | | | | 7.7 | |

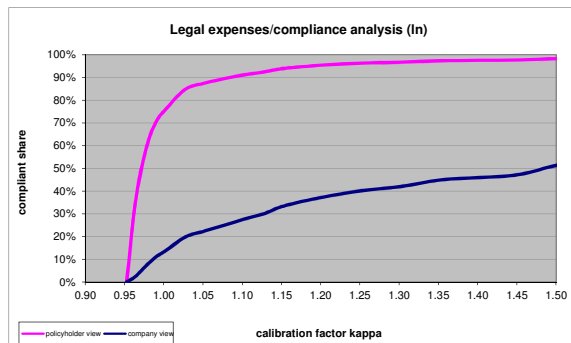
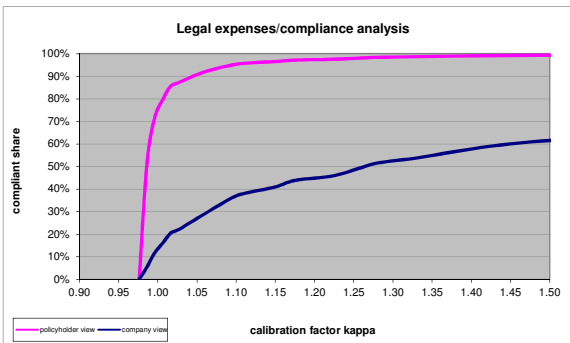
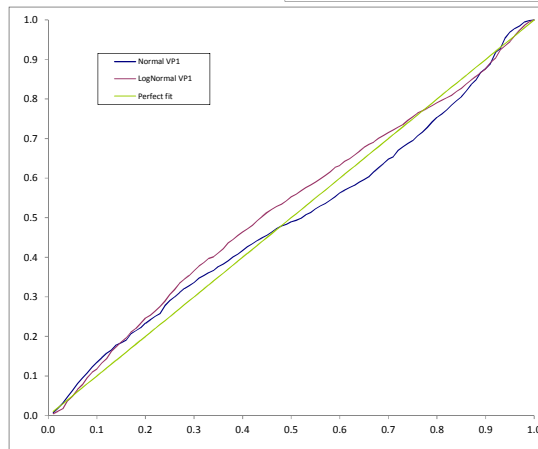
| Legal expenses | | Gross current estimate loss concept | | | | | LE-GCE |
|----------------|--------|-------------------------------------|-------------|--------------------|----------|----------------|--------|
| cfused | 1.051 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.022 | -5.84 | 4.81 | 3.13 | | 0.086 | |
| mean x | 35 | | | | | Lognormal | |
| Minimise | -0.918 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| In(sigma) | -2.508 | 108 | 1144 | 0.08 | 1.01 | -0.2 | |
| delta | 0.924 | | | | | 6.7 | |
| sigma | 0.081 | | | | | | |

| Legal expenses | | Gross current estimate loss concept | | | | | LE-GCE |
|----------------|--------|-------------------------------------|-------------|--------------------|----------|----------------|--------|
| cfused | 1.051 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.022 | -3.80 | 4.25 | 3.13 | | 0.073 | |
| mean x | 35 | | | | | Normal | |
| Minimise | -0.460 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| delta | 0.953 | 107 | 1128 | 0.01 | 1.00 | 0.4 | |
| sigma | 0.070 | | | | | 4.6 | |

| Legal expenses | | Gross current estimate loss concept | | | | | LE-GCE |
|----------------|--------|-------------------------------------|-------------|--------------------|----------|----------------|--------|
| cfused | 1.052 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.022 | -4.38 | 4.28 | 3.13 | | 0.070 | |
| mean x | 36 | | | | | Lognormal | |
| Minimise | -1.065 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| In(sigma) | -2.710 | 107 | 1124 | 0.07 | 1.01 | 0.0 | |
| delta | 0.907 | | | | | 4.2 | |
| sigma | 0.067 | | | | | | |

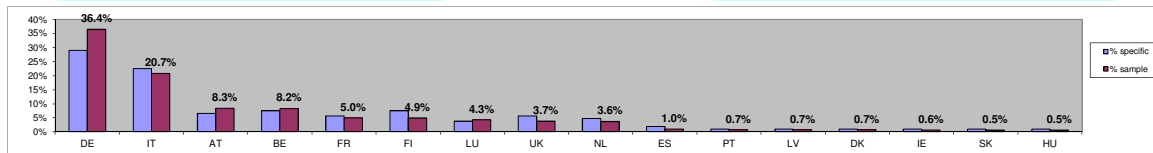


| | mean | median |
|-------------------|-------|--------|
| unbiased estimate | 10.12 | 7.90 |
| model pattern | 11.39 | 8.29 |



| | Population average implied kappa | 1.02 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 0.99 |
| policyholder view | 75% | Kappa 1.00 |
| policyholder view | 90% | Kappa 1.05 |
| policyholder view | 95% | Kappa 1.10 |
| company view | 50% | Kappa 1.26 |
| company view | 65% | Kappa 1.63 |

| | Population average implied kappa | 1.04 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 0.97 |
| policyholder view | 75% | Kappa 1.00 |
| policyholder view | 90% | Kappa 1.08 |
| policyholder view | 95% | Kappa 1.19 |
| company view | 50% | Kappa 1.49 |
| company view | 65% | Kappa 2.18 |



Miscellaneous financial loss - Gross current estimate loss concept

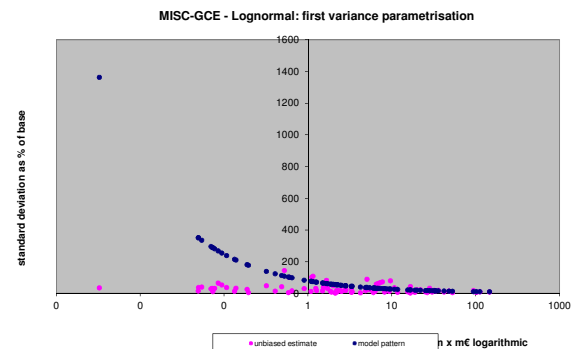
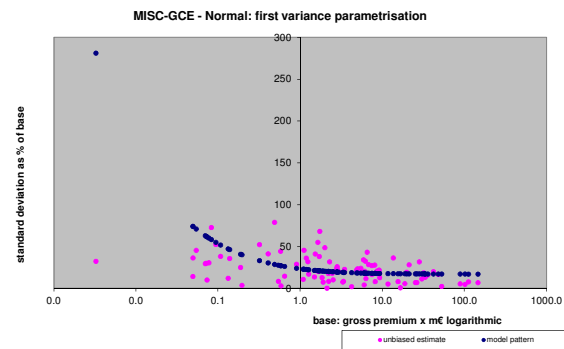
| Miscellaneous financial loss | | Gross current estimate loss concept | | | | | MISC-GCE |
|------------------------------|-------|-------------------------------------|-------------|--------------------|----------|----------------|----------|
| cfused | 1.068 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.026 | -4.15 | 10.32 | 3.04 | | 0.244 | |
| mean x | 14 | | | | | Normal | |
| Minimise | 0.336 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| delta | 0.014 | 104 | 849 | 0.01 | 1.00 | 3.7 | |
| sigma | 0.229 | | | | | 31.8 | |

| Miscellaneous financial loss | | Gross current estimate loss concept | | | | | MISC-GCE |
|------------------------------|--------|-------------------------------------|-------------|--------------------|----------|----------------|----------|
| cfused | 1.063 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.027 | -5.41 | 7.25 | 3.02 | | 0.179 | |
| mean x | 14 | | | | | Normal | |
| Minimise | -0.181 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| delta | 0.631 | 92 | 799 | 0.00 | 1.00 | 1.4 | |
| sigma | 0.168 | | | | | 12.8 | |

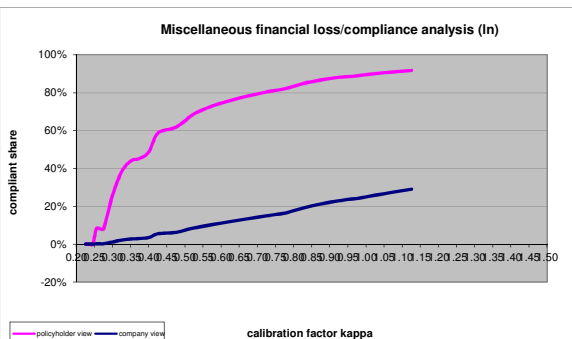
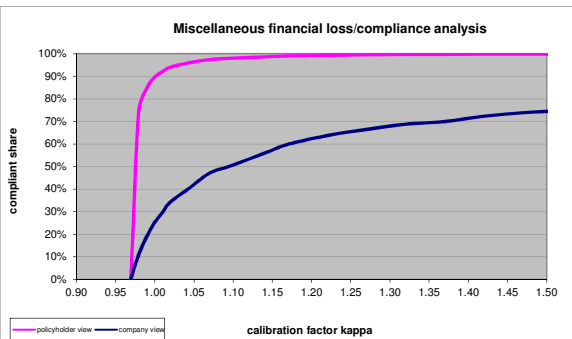
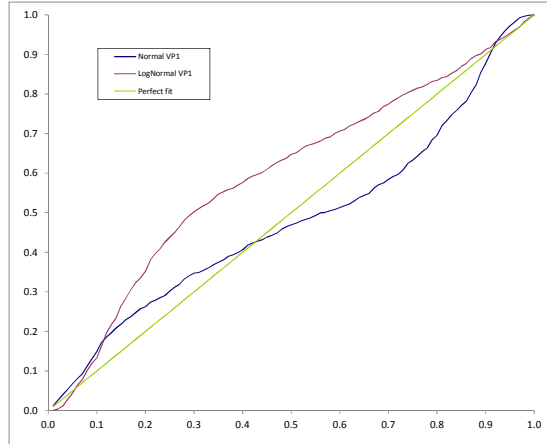
| Miscellaneous financial loss | | Gross current estimate loss concept | | | | | MISC-GCE |
|------------------------------|-------|-------------------------------------|-------------|--------------------|----------|----------------|----------|
| cfused | 1.063 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.027 | -7.48 | 3.45 | 3.02 | | 0.302 | |
| mean x | 14 | | | | | Lognormal | |
| Minimise | 0.526 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| delta | 0.000 | 104 | 849 | 0.40 | 1.14 | -1.7 | |
| sigma | 0.379 | | | | | 17.7 | |

| Miscellaneous financial loss | | Gross current estimate loss concept | | | | | MISC-GCE |
|------------------------------|--------|-------------------------------------|-------------|--------------------|----------|----------------|----------|
| cfused | 1.064 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.027 | -4.58 | 4.76 | 3.01 | | 0.173 | |
| mean x | 14 | | | | | Normal | |
| Minimise | -0.563 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| delta | 0.939 | 90 | 776 | 0.00 | 1.00 | 0.8 | |
| sigma | 0.162 | | | | | 6.1 | |

| Miscellaneous financial loss | | Gross current estimate loss concept | | | | | MISC-GCE |
|------------------------------|-------|-------------------------------------|-------------|--------------------|----------|----------------|----------|
| cfused | 1.063 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.027 | -4.55 | 3.73 | 3.02 | | 0.211 | |
| mean x | 14 | | | | | Lognormal | |
| Minimise | 0.316 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| delta | 0.051 | 89 | 781 | 0.25 | 1.08 | -0.2 | |
| sigma | 0.198 | | | | | 4.4 | |

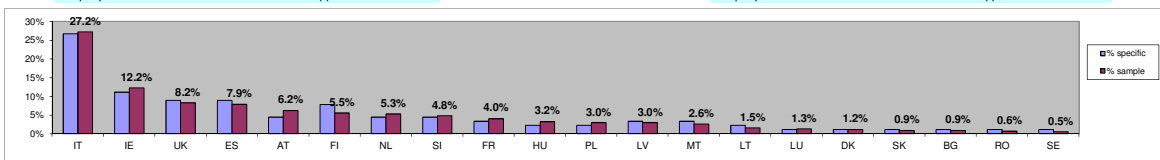


| | mean | median |
|-------------------|-------|--------|
| unbiased estimate | 22.72 | 19.84 |
| model pattern | 28.31 | 19.23 |



| | Population average implied kappa | 0.99 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 0.98 |
| policyholder view | 75% | Kappa 0.98 |
| policyholder view | 90% | Kappa 1.00 |
| policyholder view | 95% | Kappa 1.03 |
| company view | 50% | Kappa 1.09 |
| company view | 65% | Kappa 1.24 |

| | Population average implied kappa | 0.81 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 0.40 |
| policyholder view | 75% | Kappa 0.61 |
| policyholder view | 90% | Kappa 1.02 |
| policyholder view | 95% | Kappa 1.00 |
| company view | 50% | Kappa 2.22 |
| company view | 65% | Kappa 3.00 |



Workers' compensation - Gross current estimate loss concept

| Workers' compensation | | Gross current estimate loss concept | | | | | HWC-GCE |
|-----------------------|-------|-------------------------------------|-------------|--------------------|----------|----------------|---------|
| cfused | 1.055 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.036 | -1.94 | 6.67 | 2.84 | | 0.366 | |
| mean x | 36 | | | | | Normal | |
| Minimise | 1.277 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| delta | 0.999 | 44 | 438 | 0.00 | 1.00 | 2.1 | |
| sigma | 0.347 | | | | | 12.7 | |

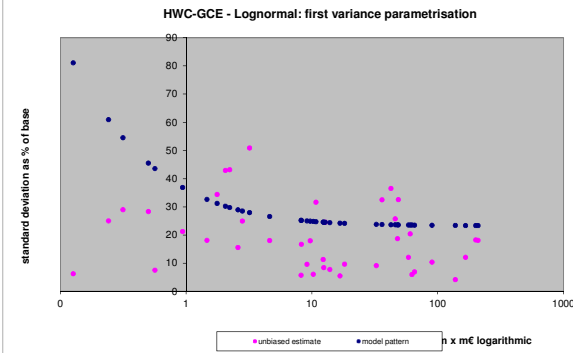
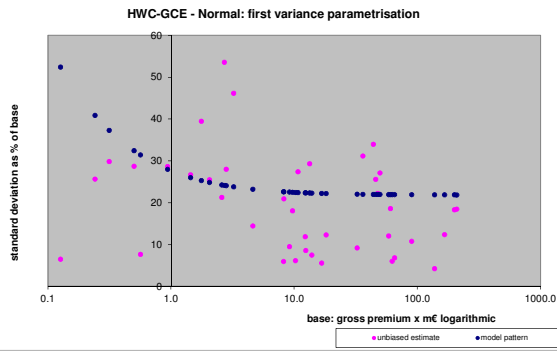
| Workers' compensation | | Gross current estimate loss concept | | | | | HWC-GCE |
|-----------------------|--------|-------------------------------------|-------------|--------------------|----------|----------------|---------|
| cfused | 1.055 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.036 | -3.82 | 4.04 | 2.84 | | 0.338 | |
| mean x | 36 | | | | | Lognormal | |
| Minimise | -0.331 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| In(sigma) | -1.139 | 44 | 438 | 0.07 | 1.01 | 0.1 | |
| delta | 0.984 | | | | | 4.6 | |
| sigma | 0.320 | | | | | | |

| Workers' compensation | | Gross current estimate loss concept | | | | | HWC-GCE |
|-----------------------|-------|-------------------------------------|-------------|--------------------|----------|----------------|---------|
| cfused | 1.054 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.037 | -2.71 | 3.97 | 2.82 | | 0.250 | |
| mean x | 35 | | | | | Normal | |
| Minimise | 0.974 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| delta | 0.993 | 41 | 419 | 0.00 | 1.00 | 0.7 | |
| sigma | 0.237 | | | | | 4.6 | |

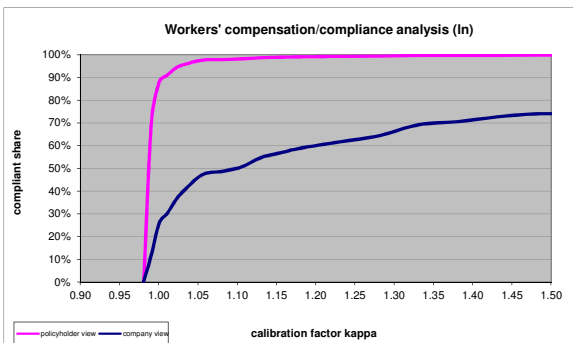
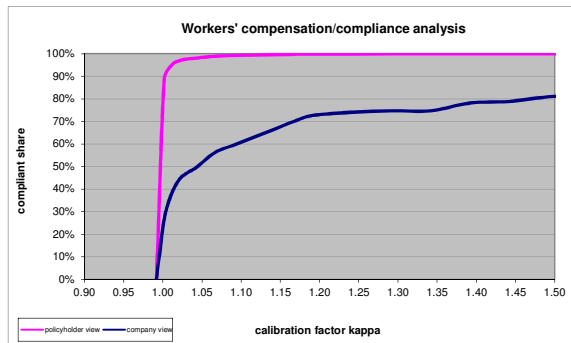
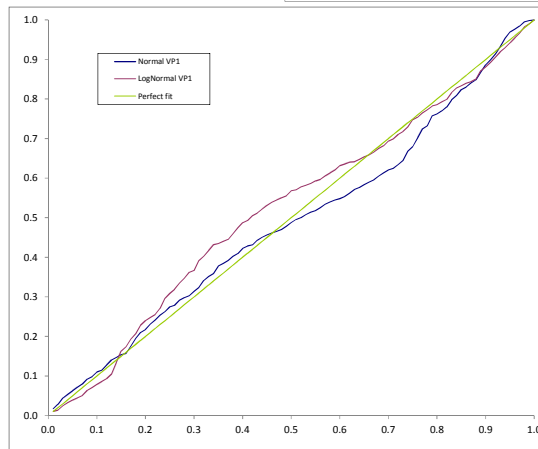
| Workers' compensation | | Gross current estimate loss concept | | | | | HWC-GCE |
|-----------------------|--------|-------------------------------------|-------------|--------------------|----------|----------------|---------|
| cfused | 1.053 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.036 | -3.10 | 3.19 | 2.82 | | 0.278 | |
| mean x | 35 | | | | | Lognormal | |
| Minimise | -0.497 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| In(sigma) | -1.333 | 41 | 422 | 0.05 | 1.00 | 0.0 | |
| delta | 0.984 | | | | | 3.8 | |
| sigma | 0.264 | | | | | | |

| Workers' compensation | | Gross current estimate loss concept | | | | | HWC-GCE |
|-----------------------|-------|-------------------------------------|-------------|--------------------|----------|----------------|---------|
| cfused | 1.054 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.037 | -3.14 | 3.38 | 2.82 | | 0.219 | |
| mean x | 36 | | | | | Normal | |
| Minimise | 0.891 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| delta | 0.983 | 41 | 414 | -0.01 | 1.00 | 0.5 | |
| sigma | 0.208 | | | | | 4.0 | |

| Workers' compensation | | Gross current estimate loss concept | | | | | HWC-GCE |
|-----------------------|--------|-------------------------------------|-------------|--------------------|----------|----------------|---------|
| cfused | 1.054 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.037 | -3.13 | 3.26 | 2.82 | | 0.236 | |
| mean x | 36 | | | | | Lognormal | |
| Minimise | -0.577 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| In(sigma) | -1.496 | 41 | 416 | 0.04 | 1.00 | -0.1 | |
| delta | 0.961 | | | | | 3.4 | |
| sigma | 0.224 | | | | | | |

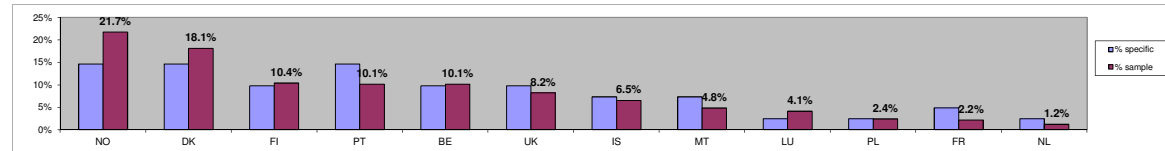


| | mean | median |
|-------------------|-------|--------|
| unbiased estimate | 19.49 | 18.39 |
| model pattern | 24.71 | 22.30 |



| | Population average implied kappa | 1.00 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 1.00 |
| policyholder view | 75% | Kappa 1.00 |
| policyholder view | 90% | Kappa 1.00 |
| policyholder view | 95% | Kappa 1.01 |
| company view | 50% | Kappa 1.04 |
| company view | 65% | Kappa 1.13 |

| | Population average implied kappa | 1.00 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 0.99 |
| policyholder view | 75% | Kappa 0.99 |
| policyholder view | 90% | Kappa 1.01 |
| policyholder view | 95% | Kappa 1.03 |
| company view | 50% | Kappa 1.10 |
| company view | 65% | Kappa 1.29 |



Motor other - Reserve risk

| Motor other | | Reserve risk | | | | MO-GRR |
|-------------|-------|---------------------|-------------|--------------------|----------------|----------|
| cfused | 1.062 | minimum | maximum | threshold | unbiased sigma | |
| cvused | 0.019 | -9.03 | 21.35 | 3.22 | 0.559 | |
| mean x | 71 | | | | Normal | |
| Minimise | 1.771 | specific parameters | sample size | standard deviation | skewness | kurtosis |
| delta | 0.817 | 176 | 1549 | 0.04 | 1.00 | 9.4 |
| sigma | 0.526 | | | | | 195.0 |

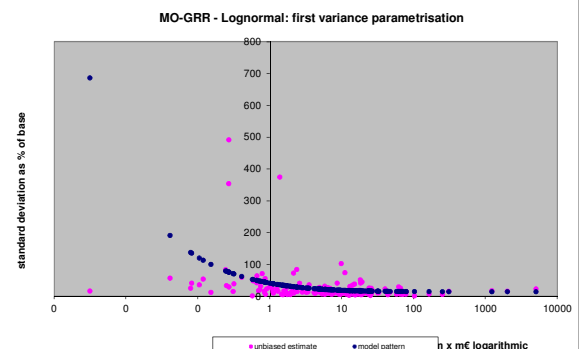
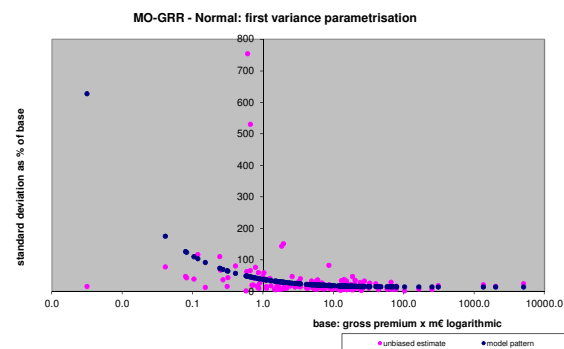
| Motor other | | Reserve risk | | | | MO-GRR |
|-------------|--------|---------------------|-------------|--------------------|----------------|----------|
| cfused | 1.062 | minimum | maximum | threshold | unbiased sigma | |
| cvused | 0.019 | -20.69 | 5.17 | 3.22 | 0.703 | |
| mean x | 71 | | | | Lognormal | |
| Minimise | 0.820 | specific parameters | sample size | standard deviation | skewness | kurtosis |
| ln(sigma) | -0.413 | 176 | 1549 | 0.61 | 1.12 | -6.1 |
| delta | 0.296 | | | | | 103.5 |
| sigma | 0.662 | | | | | |

| Motor other | | Reserve risk | | | | MO-GRR |
|-------------|-------|---------------------|-------------|--------------------|----------------|----------|
| cfused | 1.059 | minimum | maximum | threshold | unbiased sigma | |
| cvused | 0.019 | -5.01 | 9.33 | 3.21 | 0.176 | |
| mean x | 73 | | | | Normal | |
| Minimise | 0.633 | specific parameters | sample size | standard deviation | skewness | kurtosis |
| delta | 0.835 | 160 | 1486 | 0.07 | 1.00 | 2.8 |
| sigma | 0.166 | | | | | 24.6 |

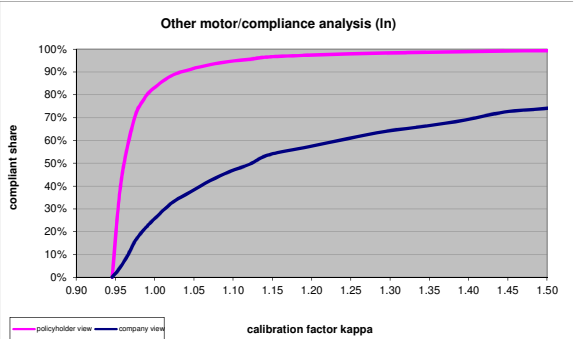
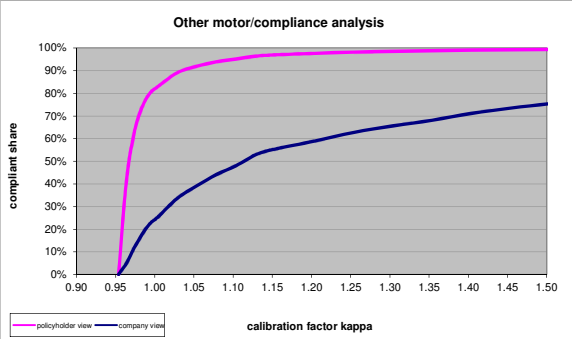
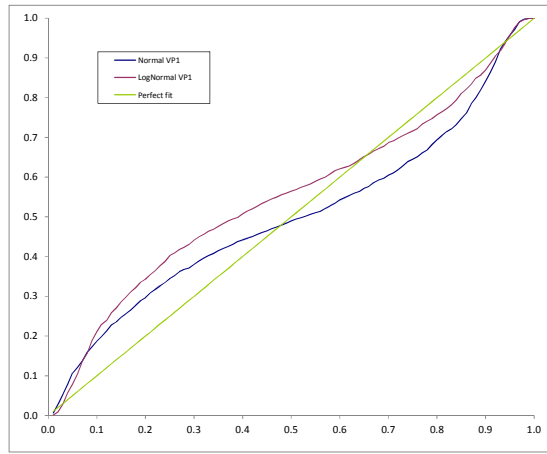
| Motor other | | Reserve risk | | | | MO-GRR |
|-------------|--------|---------------------|-------------|--------------------|----------------|----------|
| cfused | 1.059 | minimum | maximum | threshold | unbiased sigma | |
| cvused | 0.019 | -9.96 | 10.67 | 3.21 | 0.205 | |
| mean x | 69 | | | | Lognormal | |
| Minimise | -0.266 | specific parameters | sample size | standard deviation | skewness | kurtosis |
| ln(sigma) | -1.644 | 161 | 1494 | 0.25 | 1.04 | -0.7 |
| delta | 0.686 | | | | | 32.1 |
| sigma | 0.193 | | | | | |

| Motor other | | Reserve risk | | | | MO-GRR |
|-------------|-------|---------------------|-------------|--------------------|----------------|----------|
| cfused | 1.060 | minimum | maximum | threshold | unbiased sigma | |
| cvused | 0.020 | -4.30 | 5.82 | 3.20 | 0.138 | |
| mean x | 72 | | | | Normal | |
| Minimise | 0.232 | specific parameters | sample size | standard deviation | skewness | kurtosis |
| delta | 0.909 | 159 | 1456 | 0.05 | 1.00 | 1.3 |
| sigma | 0.130 | | | | | 9.4 |

| Motor other | | Reserve risk | | | | MO-GRR |
|-------------|--------|---------------------|-------------|--------------------|----------------|----------|
| cfused | 1.060 | minimum | maximum | threshold | unbiased sigma | |
| cvused | 0.020 | -5.27 | 5.40 | 3.20 | 0.144 | |
| mean x | 67 | | | | Lognormal | |
| Minimise | -0.840 | specific parameters | sample size | standard deviation | skewness | kurtosis |
| ln(sigma) | -1.992 | 160 | 1469 | 0.16 | 1.03 | 0.4 |
| delta | 0.894 | | | | | 7.6 |
| sigma | 0.136 | | | | | |

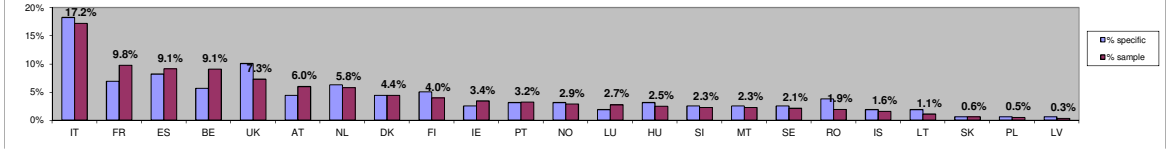


| | mean | median |
|-------------------|-------|--------|
| unbiased estimate | 30.40 | 14.71 |
| model pattern | 31.26 | 19.06 |



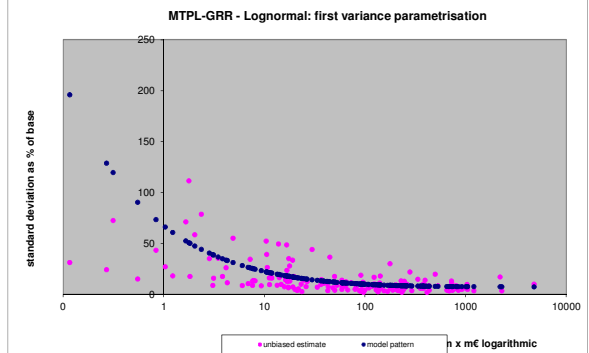
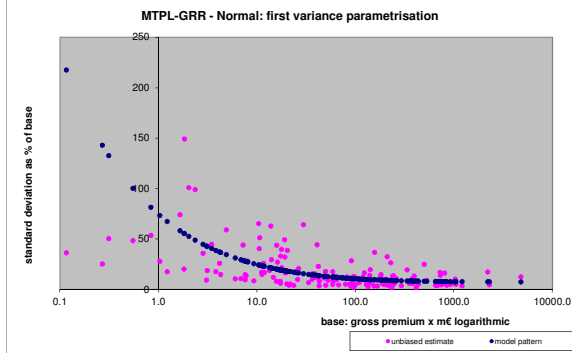
| | Population average implied kappa | 1.00 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 0.97 |
| policyholder view | 75% | Kappa 0.99 |
| policyholder view | 90% | Kappa 1.04 |
| policyholder view | 95% | Kappa 1.10 |
| company view | 50% | Kappa 1.11 |
| company view | 65% | Kappa 1.29 |

| | Population average implied kappa | 1.00 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 0.96 |
| policyholder view | 75% | Kappa 0.98 |
| policyholder view | 90% | Kappa 1.04 |
| policyholder view | 95% | Kappa 1.11 |
| company view | 50% | Kappa 1.12 |
| company view | 65% | Kappa 1.32 |

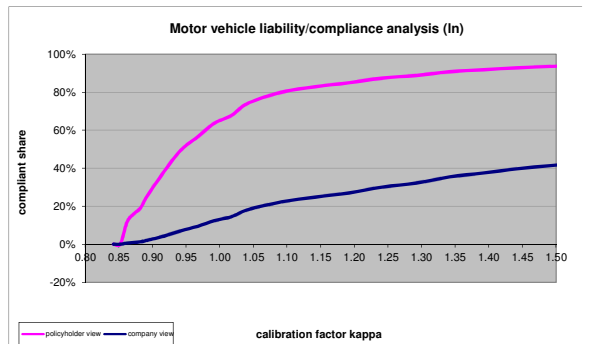
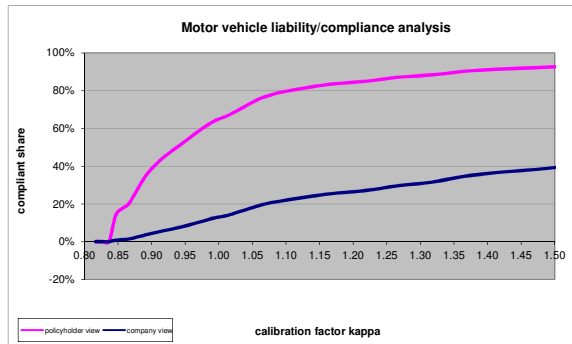
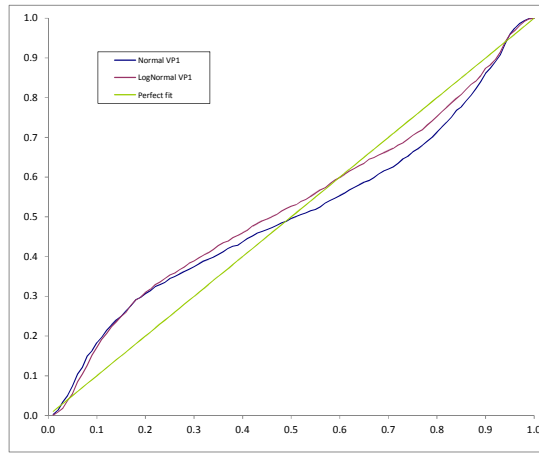


Motor third party liability - Reserve risk

| Motor third party liability | | Reserve risk | | | | MTPL-GRR |
|-----------------------------|--------|---------------------|-------------|--------------------|----------|----------------|
| cfused | 1.060 | minimum | maximum | threshold | | unbiased sigma |
| cvused | 0.018 | -2.88 | 19.24 | 3.25 | | 0.572 |
| mean x | 215 | | | | | Normal |
| Minimise | 4.031 | specific parameters | sample size | standard deviation | skewness | kurtosis |
| delta | 0.000 | 187 | 1703 | 0.07 | 1.00 | 14.7 |
| sigma | 0.540 | | | | | 243.2 |
| cfused | 1.056 | minimum | maximum | threshold | | unbiased sigma |
| cvused | 0.018 | -10.90 | 11.05 | 3.23 | | 0.149 |
| mean x | 221 | | | | | Normal |
| Minimise | 2.593 | specific parameters | sample size | standard deviation | skewness | kurtosis |
| delta | 0.612 | 170 | 1643 | 0.03 | 1.00 | 0.9 |
| sigma | 0.141 | | | | | 35.7 |
| cfused | 1.057 | minimum | maximum | threshold | | unbiased sigma |
| cvused | 0.019 | -4.53 | 5.34 | 3.23 | | 0.086 |
| mean x | 220 | | | | | Normal |
| Minimise | 2.012 | specific parameters | sample size | standard deviation | skewness | kurtosis |
| delta | 0.666 | 169 | 1605 | 0.04 | 1.00 | 0.7 |
| sigma | 0.082 | | | | | 8.1 |
| cfused | 1.058 | minimum | maximum | threshold | | unbiased sigma |
| cvused | 0.019 | -4.62 | 4.38 | 3.23 | | 0.083 |
| mean x | 220 | | | | | Lognormal |
| Minimise | -1.605 | specific parameters | sample size | standard deviation | skewness | kurtosis |
| ln(sigma) | -2.541 | 170 | 1600 | 0.07 | 1.01 | 0.1 |
| delta | 0.709 | | | | | 6.3 |
| sigma | 0.079 | | | | | |

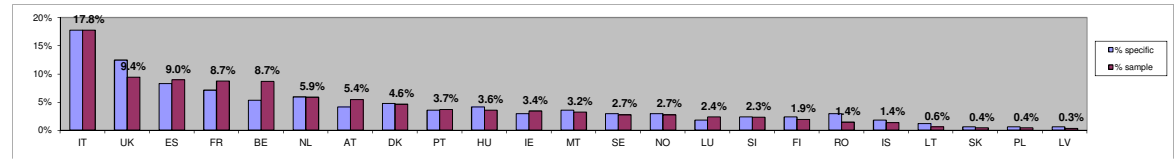


| | mean | median |
|-------------------|-------|--------|
| unbiased estimate | 17.57 | 11.56 |
| model pattern | 19.60 | 11.45 |



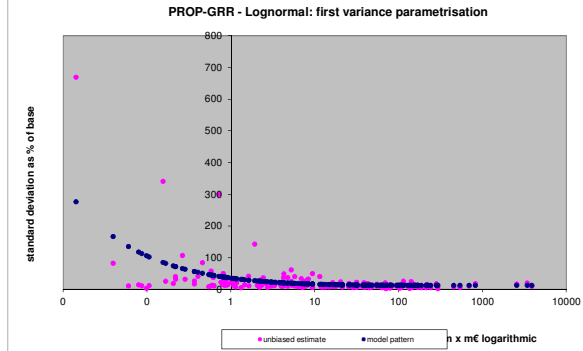
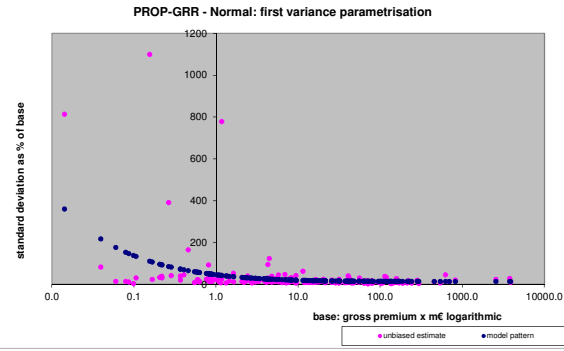
| | Population average implied kappa | 1.17 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 0.94 |
| policyholder view | 75% | Kappa 1.06 |
| policyholder view | 90% | Kappa 1.36 |
| policyholder view | 95% | Kappa 1.71 |
| company view | 50% | Kappa 1.92 |
| company view | 65% | Kappa 2.70 |

| | Population average implied kappa | 1.15 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 0.94 |
| policyholder view | 75% | Kappa 1.05 |
| policyholder view | 90% | Kappa 1.32 |
| policyholder view | 95% | Kappa 1.64 |
| company view | 50% | Kappa 1.81 |
| company view | 65% | Kappa 2.62 |

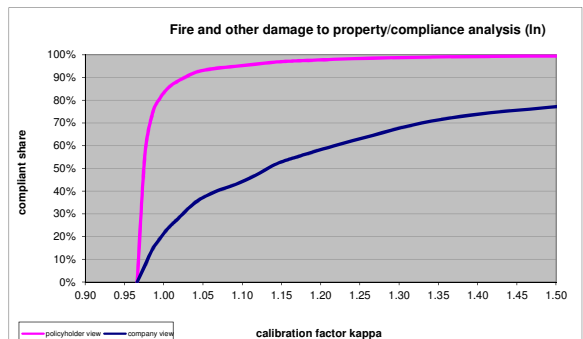
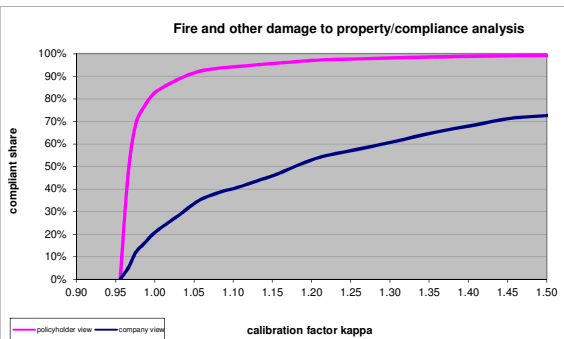
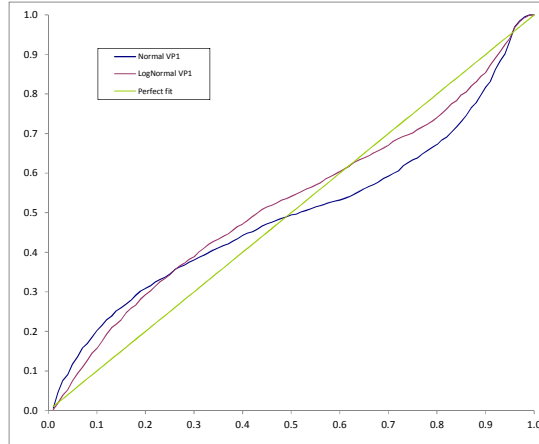


Fire and other damage to property - Reserve risk

| Fire and other damage to property | | | | | | Reserve risk | | | | | | PROP-GRR | | | | | |
|-----------------------------------|-------|------------|---------|-----------|----------------|--------------|--------|------------|---------|-----------|----------------|-----------|--------|------------|---------|-----------|----------------|
| cfused | 1.063 | minimum | maximum | threshold | unbiased sigma | cfused | 1.063 | minimum | maximum | threshold | unbiased sigma | cfused | 1.063 | minimum | maximum | threshold | unbiased sigma |
| cvused | 0.018 | -3.78 | 34.56 | 3.26 | 0.498 | cvused | 0.018 | -24.94 | 8.58 | 3.26 | 0.330 | cvused | 0.018 | -24.94 | 8.58 | 3.26 | 0.330 |
| mean x | 137 | | | | Normal | mean x | 137 | | | | Lognormal | mean x | 137 | | | | Lognormal |
| Minimise | 2.820 | specific | sample | standard | | Minimise | 0.177 | specific | sample | standard | | Minimise | 0.177 | specific | sample | standard | |
| delta | 0.213 | parameters | size | mean | deviation | In(sigma) | -1.171 | parameters | size | mean | deviation | In(sigma) | -1.171 | parameters | size | mean | deviation |
| sigma | 0.468 | 206 | 1805 | 0.04 | 1.00 | delta | 0.528 | 206 | 1805 | 0.38 | 1.07 | delta | 0.528 | 206 | 1805 | 0.38 | 1.07 |
| | | | | | skewness | sigma | 0.310 | | | | skewness | sigma | 0.310 | | | | skewness |
| | | | | | kurtosis | | | | | | kurtosis | | | | | | kurtosis |
| | | | | | | | | | | | | | | | | | |

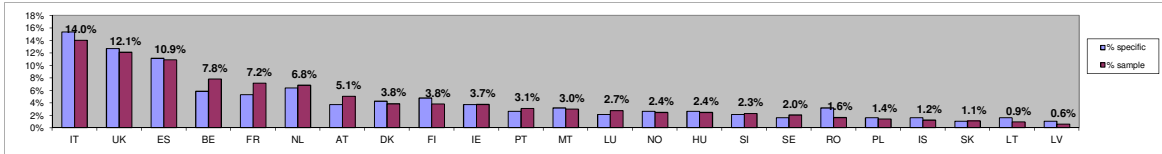


| | mean | median |
|-------------------|-------|--------|
| unbiased estimate | 34.97 | 13.42 |
| model pattern | 32.24 | 17.22 |



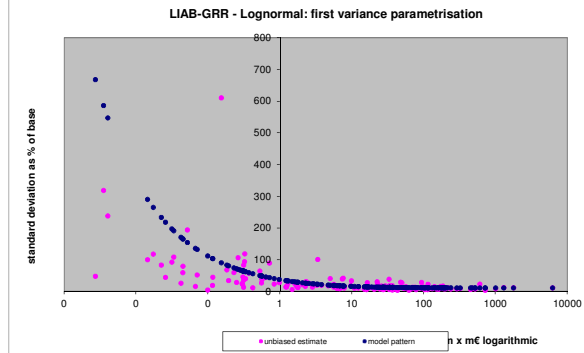
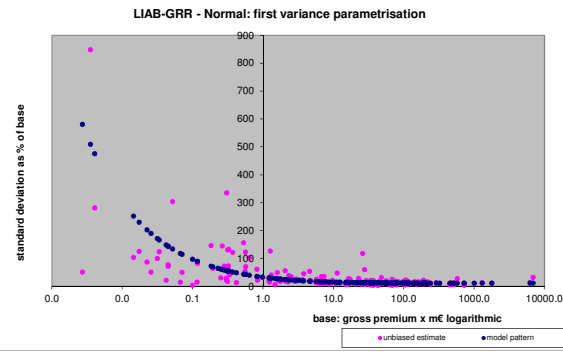
| | Population average implied kappa | 1.01 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 0.97 |
| policyholder view | 75% | Kappa 0.98 |
| policyholder view | 90% | Kappa 1.04 |
| policyholder view | 95% | Kappa 1.13 |
| company view | 50% | Kappa 1.18 |
| company view | 65% | Kappa 1.36 |

| | Population average implied kappa | 1.00 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 0.97 |
| policyholder view | 75% | Kappa 0.99 |
| policyholder view | 90% | Kappa 1.03 |
| policyholder view | 95% | Kappa 1.09 |
| company view | 50% | Kappa 1.13 |
| company view | 65% | Kappa 1.27 |

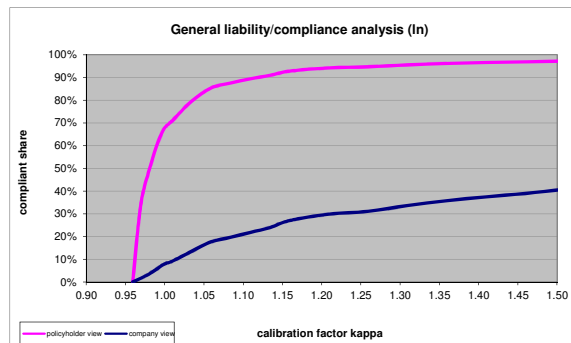
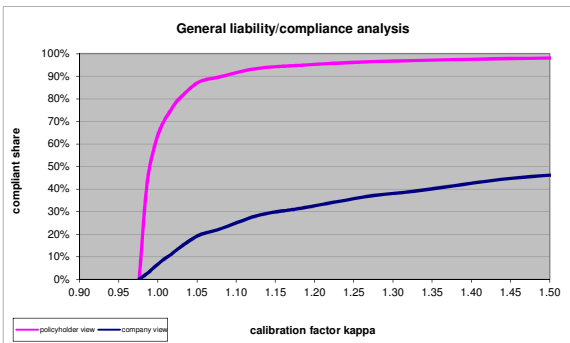
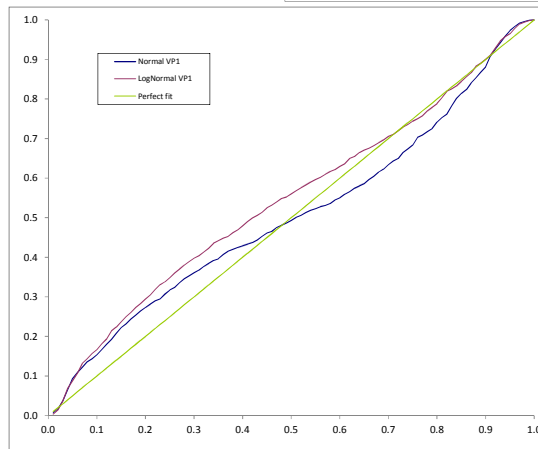


General liability - Reserve risk

| General liability | | Reserve risk | | | | LIAB-GRR |
|-------------------|--------|--------------|---------|-----------|----------|----------------|
| cfused | 1.063 | minimum | maximum | threshold | | unbiased sigma |
| cvused | 0.018 | -3.56 | 13.90 | 3.24 | | 0.201 |
| mean x | 173 | | | | | Normal |
| Minimise | 1.171 | specific | sample | standard | | |
| | | parameters | size | deviation | skewness | kurtosis |
| delta | 0.938 | 194 | 1689 | 0.06 | 1.00 | 4.9 |
| sigma | 0.189 | | | | | 52.4 |
| cfused | 1.059 | minimum | maximum | threshold | | unbiased sigma |
| cvused | 0.019 | -4.83 | 5.94 | 3.23 | | 0.140 |
| mean x | 170 | | | | | Normal |
| Minimise | 0.800 | specific | sample | standard | | |
| | | parameters | size | deviation | skewness | kurtosis |
| delta | 0.959 | 174 | 1608 | 0.05 | 1.00 | 0.8 |
| sigma | 0.133 | | | | | 8.8 |
| cfused | 1.060 | minimum | maximum | threshold | | unbiased sigma |
| cvused | 0.019 | -4.08 | 4.00 | 3.22 | | 0.111 |
| mean x | 157 | | | | | Normal |
| Minimise | 0.566 | specific | sample | standard | | |
| | | parameters | size | deviation | skewness | kurtosis |
| delta | 0.952 | 174 | 1575 | 0.05 | 1.00 | 0.6 |
| sigma | 0.104 | | | | | 5.4 |
| cfused | 1.060 | minimum | maximum | threshold | | unbiased sigma |
| cvused | 0.019 | -4.83 | 4.49 | 3.22 | | 0.104 |
| mean x | 139 | | | | | Lognormal |
| Minimise | -0.934 | specific | sample | standard | | |
| | | parameters | size | deviation | skewness | kurtosis |
| In(sigma) | -1.707 | 194 | 1689 | 0.20 | 1.07 | -4.1 |
| delta | 0.891 | | | | | 78.2 |
| sigma | 0.181 | | | | | |
| cfused | 1.059 | minimum | maximum | threshold | | unbiased sigma |
| cvused | 0.019 | -8.87 | 5.17 | 3.23 | | 0.123 |
| mean x | 155 | | | | | Lognormal |
| Minimise | -0.934 | specific | sample | standard | | |
| | | parameters | size | deviation | skewness | kurtosis |
| In(sigma) | -2.154 | 175 | 1611 | 0.17 | 1.04 | 0.0 |
| delta | 0.886 | | | | | 9.9 |
| sigma | 0.116 | | | | | |
| cfused | 1.060 | minimum | maximum | threshold | | unbiased sigma |
| cvused | 0.019 | -4.83 | 4.49 | 3.22 | | 0.104 |
| mean x | 139 | | | | | Lognormal |
| Minimise | -1.181 | specific | sample | standard | | |
| | | parameters | size | deviation | skewness | kurtosis |
| In(sigma) | -2.321 | 171 | 1567 | 0.15 | 1.03 | 0.4 |
| delta | 0.920 | | | | | 5.7 |
| sigma | 0.098 | | | | | |

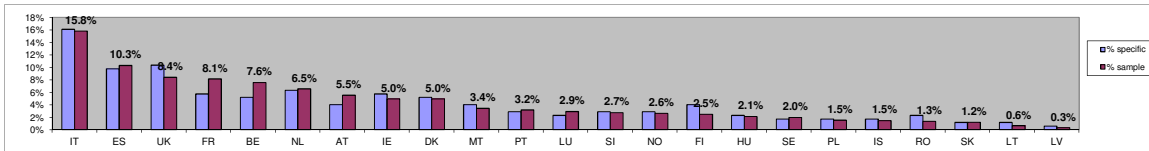


| | mean | median |
|-------------------|-------|--------|
| unbiased estimate | 39.35 | 16.37 |
| model pattern | 40.35 | 13.08 |



| | Population average implied kappa | 1.05 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 0.99 |
| policyholder view | 75% | Kappa 1.02 |
| policyholder view | 90% | Kappa 1.08 |
| policyholder view | 95% | Kappa 1.19 |
| company view | 50% | Kappa 1.60 |
| company view | 65% | Kappa 2.26 |

| | Population average implied kappa | 1.08 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 0.98 |
| policyholder view | 75% | Kappa 1.02 |
| policyholder view | 90% | Kappa 1.12 |
| policyholder view | 95% | Kappa 1.28 |
| company view | 50% | Kappa 1.83 |
| company view | 65% | Kappa 2.59 |



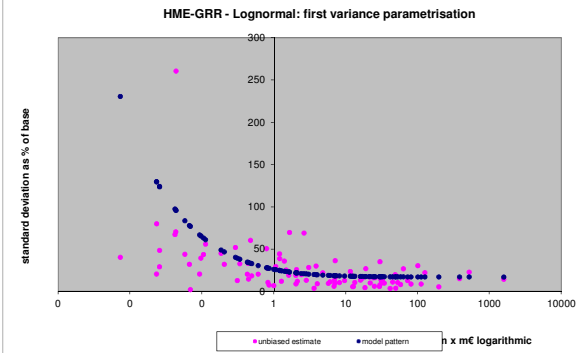
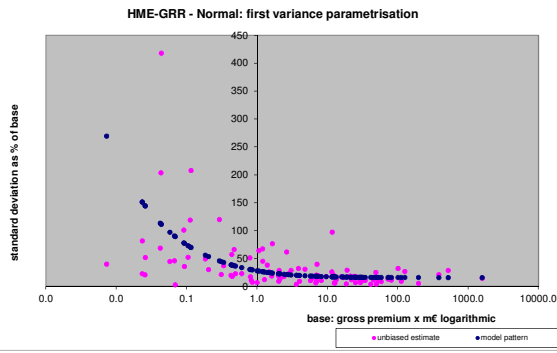
Medical expense - Reserve risk

| Medical expense | | Reserve risk | | | | HME-GRR |
|-----------------|-------|---------------------|-------------|--------------------|----------------|-----------|
| cfused | 1.078 | minimum | maximum | threshold | unbiased sigma | 0.844 |
| cvused | 0.026 | -15.97 | 16.25 | 3.05 | unbiased sigma | 2.123 |
| mean x | 46 | | | | Normal | Lognormal |
| Minimise | 2.288 | specific parameters | sample size | standard deviation | skewness | kurtosis |
| delta | 0.000 | 120 | 868 | 0.00 | 1.00 | -2.4 |
| sigma | 0.783 | | | | | 190.8 |

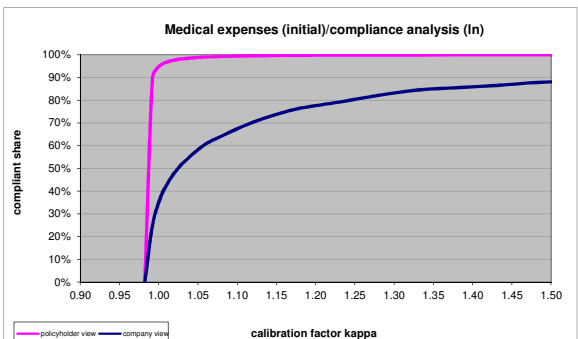
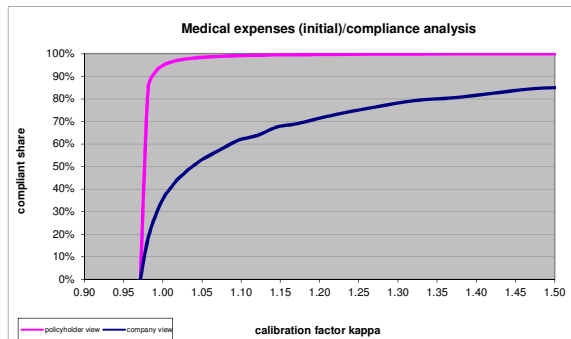
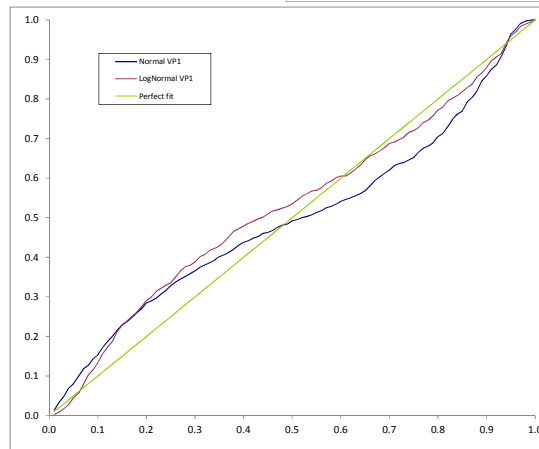
| Medical expense | | Reserve risk | | | | HME-GRR |
|-----------------|-------|---------------------|-------------|--------------------|----------------|-----------|
| cfused | 1.069 | minimum | maximum | threshold | unbiased sigma | 0.158 |
| cvused | 0.027 | -4.94 | 16.92 | 3.03 | unbiased sigma | 0.247 |
| mean x | 37 | | | | Normal | Lognormal |
| Minimise | 0.576 | specific parameters | sample size | standard deviation | skewness | kurtosis |
| delta | 0.727 | 100 | 804 | 0.05 | 1.00 | 7.6 |
| sigma | 0.231 | | | | | 113.2 |

| Medical expense | | Reserve risk | | | | HME-GRR |
|-----------------|--------|---------------------|-------------|--------------------|----------------|-----------|
| cfused | 1.070 | minimum | maximum | threshold | unbiased sigma | 0.169 |
| cvused | 0.027 | -5.84 | 6.17 | 3.02 | unbiased sigma | 0.169 |
| mean x | 37 | | | | Normal | Lognormal |
| Minimise | -0.259 | specific parameters | sample size | standard deviation | skewness | kurtosis |
| delta | 0.943 | 99 | 787 | 0.03 | 1.00 | 0.8 |
| sigma | 0.147 | | | | | 9.1 |

| Medical expense | | Reserve risk | | | | HME-GRR |
|-----------------|--------|---------------------|-------------|--------------------|----------------|-----------|
| cfused | 1.069 | minimum | maximum | threshold | unbiased sigma | 0.169 |
| cvused | 0.027 | -4.48 | 4.44 | 3.02 | unbiased sigma | 0.169 |
| mean x | 38 | | | | Normal | Lognormal |
| Minimise | -0.890 | specific parameters | sample size | standard deviation | skewness | kurtosis |
| delta | 0.964 | 97 | 780 | 0.07 | 1.02 | 0.0 |
| sigma | 0.158 | | | | | 5.3 |

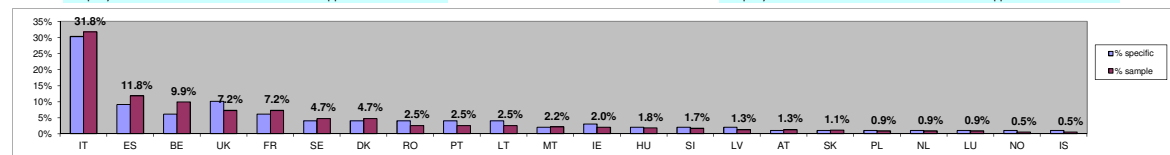


| | mean | median |
|-------------------|-------|--------|
| unbiased estimate | 34.60 | 18.80 |
| model pattern | 36.86 | 19.23 |



| | Population average implied kappa | 0.98 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 0.98 |
| policyholder view | 75% | Kappa 0.98 |
| policyholder view | 90% | Kappa 0.99 |
| policyholder view | 95% | Kappa 1.00 |
| company view | 50% | Kappa 1.04 |
| company view | 65% | Kappa 1.13 |

| | Population average implied kappa | 0.99 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 0.99 |
| policyholder view | 75% | Kappa 0.99 |
| policyholder view | 90% | Kappa 0.99 |
| policyholder view | 95% | Kappa 1.00 |
| company view | 50% | Kappa 1.02 |
| company view | 65% | Kappa 1.08 |



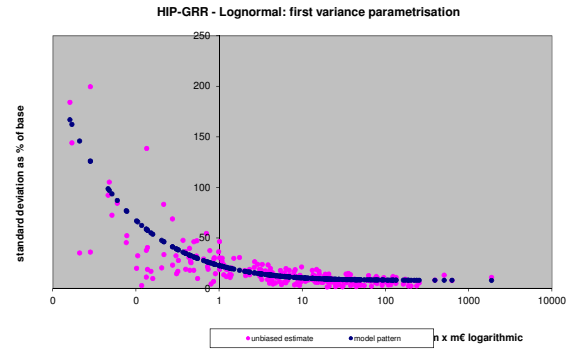
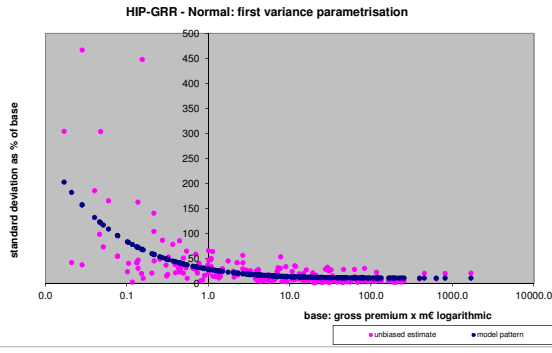
Income protection - Reserve risk

| Income protection | | Reserve risk | | | | HIP-GRR |
|-------------------|-------|--------------|---------|-----------|----------------|----------|
| cfused | 1.084 | minimum | maximum | threshold | unbiased sigma | |
| cvused | 0.018 | -3.56 | 38.92 | 3.26 | 0.462 | |
| mean x | 55 | | | | Normal | |
| Minimise | 1.975 | specific | sample | standard | | |
| | | parameters | size | deviation | skewness | kurtosis |
| delta | 0.012 | 268 | 1806 | 0.04 | 1.00 | 33.0 |
| sigma | 0.426 | | | | | 1273.4 |
| cfused | 1.079 | minimum | maximum | threshold | unbiased sigma | |
| cvused | 0.018 | -6.27 | 12.90 | 3.25 | 0.155 | |
| mean x | 44 | | | | Normal | |
| Minimise | 0.328 | specific | sample | standard | | |
| | | parameters | size | deviation | skewness | kurtosis |
| delta | 0.853 | 246 | 1740 | 0.05 | 1.00 | 3.1 |
| sigma | 0.144 | | | | | 36.8 |

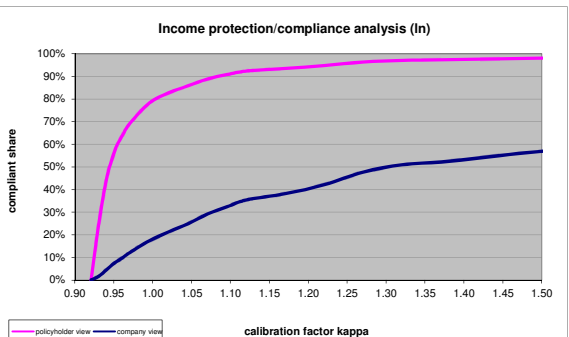
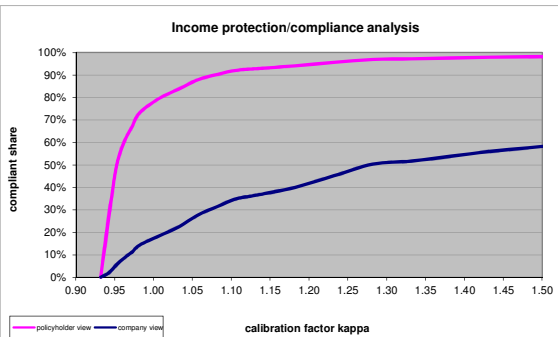
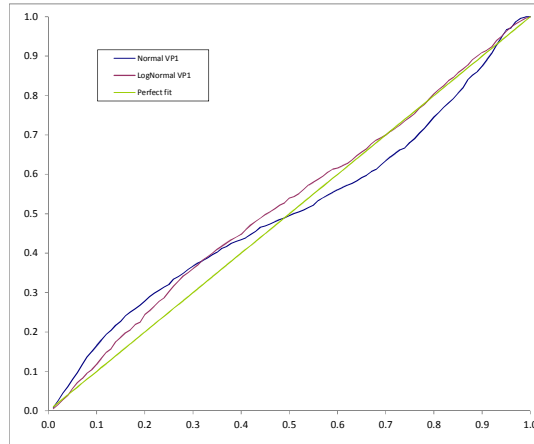
| Income protection | | Reserve risk | | | | HIP-GRR |
|-------------------|--------|--------------|---------|-----------|----------------|----------|
| cfused | 1.084 | minimum | maximum | threshold | unbiased sigma | |
| cvused | 0.018 | #NUM! | #NUM! | 3.26 | 0.089 | |
| mean x | 55 | | | | Lognormal | |
| Minimise | #NUM! | specific | sample | standard | | |
| | | parameters | size | deviation | skewness | kurtosis |
| ln(sigma) | -2.496 | 268 | 1806 | #NUM! | #NUM! | #NUM! |
| delta | 0.881 | | | | | |
| sigma | 0.082 | | | | | |
| cfused | 1.081 | minimum | maximum | threshold | unbiased sigma | |
| cvused | 0.019 | -3.81 | 3.16 | 3.23 | 0.088 | |
| mean x | 41 | | | | Lognormal | |
| Minimise | -1.369 | specific | sample | standard | | |
| | | parameters | size | deviation | skewness | kurtosis |
| ln(sigma) | -2.505 | 237 | 1643 | 0.08 | 1.02 | 0.1 |
| delta | 0.857 | | | | | 3.9 |
| sigma | 0.082 | | | | | |

| Income protection | | Reserve risk | | | | HIP-GRR |
|-------------------|--------|--------------|---------|-----------|----------------|----------|
| cfused | 1.080 | minimum | maximum | threshold | unbiased sigma | |
| cvused | 0.018 | -4.73 | 4.88 | 3.25 | 0.111 | |
| mean x | 43 | | | | Normal | |
| Minimise | -0.047 | specific | sample | standard | | |
| | | parameters | size | deviation | skewness | kurtosis |
| delta | 0.868 | 244 | 1708 | 0.05 | 1.00 | 0.6 |
| sigma | 0.103 | | | | | 6.6 |

| Income protection | | Reserve risk | | | | HIP-GRR |
|-------------------|--------|--------------|---------|-----------|----------------|----------|
| cfused | 1.081 | minimum | maximum | threshold | unbiased sigma | |
| cvused | 0.019 | -3.74 | 3.21 | 3.23 | 0.084 | |
| mean x | 41 | | | | Lognormal | |
| Minimise | -1.397 | specific | sample | standard | | |
| | | parameters | size | deviation | skewness | kurtosis |
| ln(sigma) | -2.550 | 235 | 1629 | 0.08 | 1.02 | 0.1 |
| delta | 0.847 | | | | | 3.7 |
| sigma | 0.078 | | | | | |

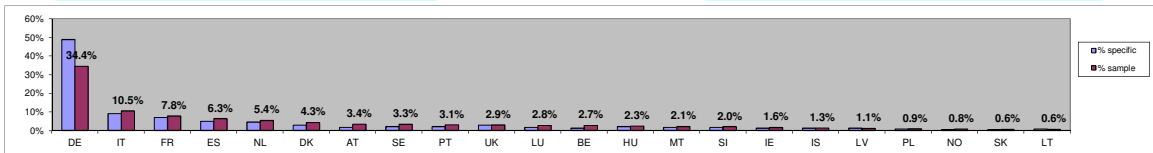


| | mean | median |
|-------------------|-------|--------|
| unbiased estimate | 27.43 | 13.37 |
| model pattern | 26.09 | 14.12 |



| | Population average implied kappa | |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 0.95 |
| policyholder view | 75% | Kappa 0.99 |
| policyholder view | 90% | Kappa 1.08 |
| policyholder view | 95% | Kappa 1.21 |
| company view | 50% | Kappa 1.28 |
| company view | 65% | Kappa 1.69 |

| | Population average implied kappa | |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 0.95 |
| policyholder view | 75% | Kappa 0.99 |
| policyholder view | 90% | Kappa 1.09 |
| policyholder view | 95% | Kappa 1.23 |
| company view | 50% | Kappa 1.31 |
| company view | 65% | Kappa 1.74 |



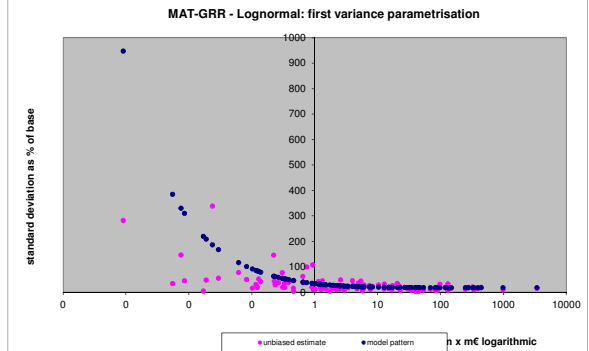
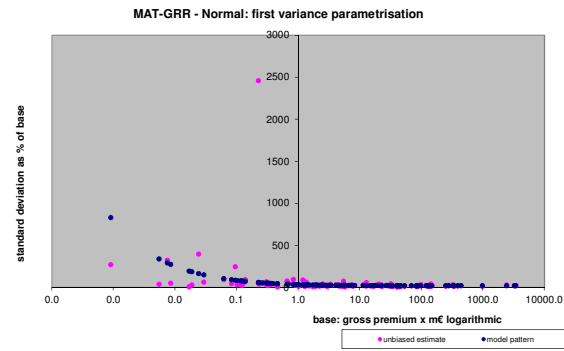
Marine, aviation and transport - Reserve risk

| Marine, aviation and transport | | Reserve risk | | | | MAT-GRR | |
|--------------------------------|--------------|---------------------|-------------|--------------------|----------|----------------|-----------|
| cfused | 1.062 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.022 | -3.09 | 20.01 | 3.13 | | 0.899 | |
| mean x | 109 | | | | | | Normal |
| Minimise | 1.205 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| delta | 0.998 | 128 | 1136 | 0.02 | 1.00 | 9.9 | 165.3 |
| sigma | 0.846 | | | | | | |
| cfused | 1.058 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.023 | -6.49 | 7.46 | 3.11 | | 0.228 | |
| mean x | 114 | | | | | | Lognormal |
| Minimise | 0.367 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| delta | 0.974 | 114 | 1082 | 0.03 | 1.00 | 1.3 | 14.8 |
| sigma | 0.216 | | | | | | |

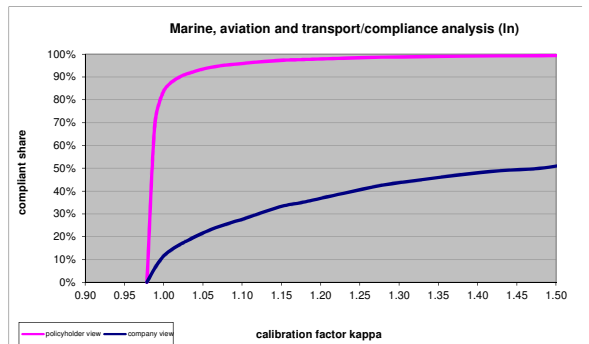
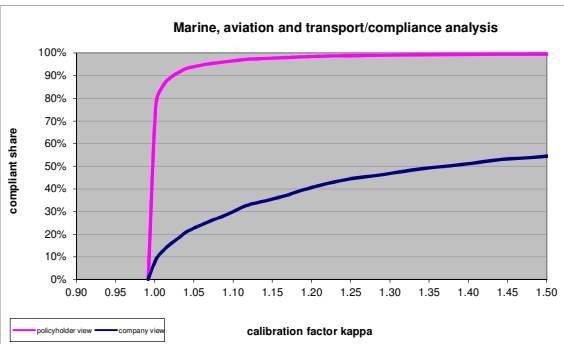
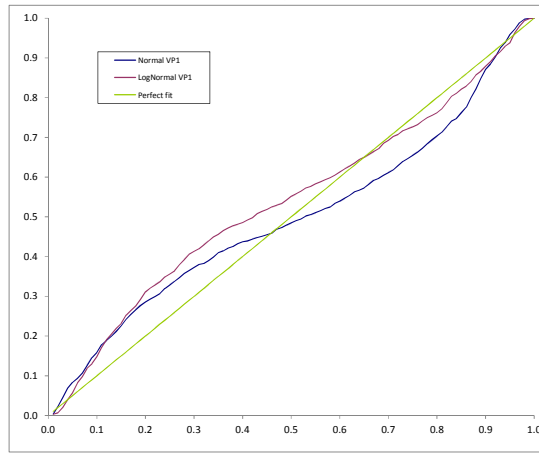
| Marine, aviation and transport | | Reserve risk | | | | MAT-GRR | |
|--------------------------------|---------------|---------------------|-------------|--------------------|----------|----------------|-----------|
| cfused | 1.062 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.022 | -6.59 | 8.42 | 3.13 | | 0.647 | |
| mean x | 109 | | | | | | Lognormal |
| Minimise | 0.151 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| In(sigma) | -0.496 | 128 | 1136 | 0.21 | 1.03 | -1.0 | 15.6 |
| delta | 0.993 | | | | | | |
| sigma | 0.609 | | | | | | |
| cfused | 1.058 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.023 | -6.11 | 4.83 | 3.11 | | 0.216 | |
| mean x | 73 | | | | | | Lognormal |
| Minimise | -0.478 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| In(sigma) | -1.587 | 113 | 1064 | 0.14 | 1.03 | -0.7 | 9.2 |
| delta | 0.944 | | | | | | |
| sigma | 0.205 | | | | | | |

| Marine, aviation and transport | | Reserve risk | | | | MAT-GRR | |
|--------------------------------|--------------|---------------------|-------------|--------------------|----------|----------------|--------|
| cfused | 1.059 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.023 | -3.97 | 4.57 | 3.11 | | 0.175 | |
| mean x | 116 | | | | | | Normal |
| Minimise | 0.030 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| delta | 0.983 | 113 | 1056 | 0.03 | 1.00 | 0.9 | 7.0 |
| sigma | 0.166 | | | | | | |

| Marine, aviation and transport | | Reserve risk | | | | MAT-GRR | |
|--------------------------------|---------------|---------------------|-------------|--------------------|----------|----------------|-----------|
| cfused | 1.059 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.023 | -6.04 | 3.95 | 3.10 | | 0.175 | |
| mean x | 62 | | | | | | Lognormal |
| Minimise | -0.754 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| In(sigma) | -1.801 | 111 | 1033 | 0.10 | 1.02 | 0.0 | 6.4 |
| delta | 0.957 | | | | | | |
| sigma | 0.165 | | | | | | |

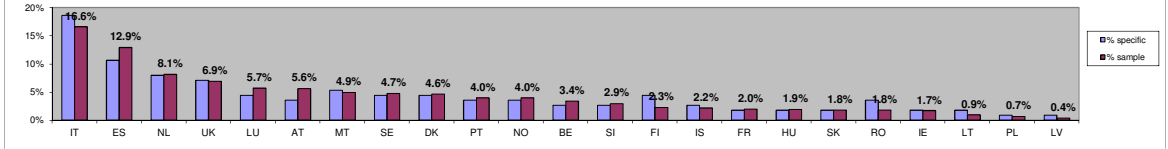


| | mean | median |
|-------------------|-------|--------|
| unbiased estimate | 57.02 | 20.72 |
| model pattern | 48.10 | 22.01 |



| | Population average implied kappa | 1.02 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 1.00 |
| policyholder view | 75% | Kappa 1.00 |
| policyholder view | 90% | Kappa 1.02 |
| policyholder view | 95% | Kappa 1.07 |
| company view | 50% | Kappa 1.37 |
| company view | 65% | Kappa 2.07 |

| | Population average implied kappa | 1.02 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 0.99 |
| policyholder view | 75% | Kappa 0.99 |
| policyholder view | 90% | Kappa 1.02 |
| policyholder view | 95% | Kappa 1.08 |
| company view | 50% | Kappa 1.48 |
| company view | 65% | Kappa 2.29 |



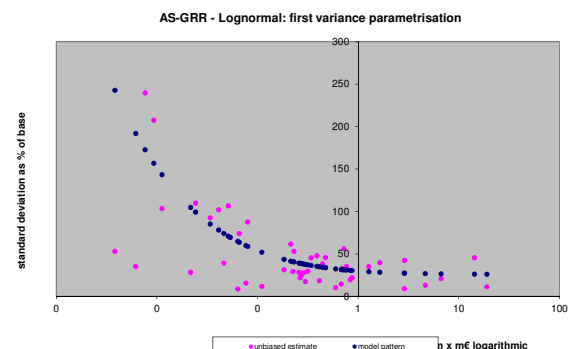
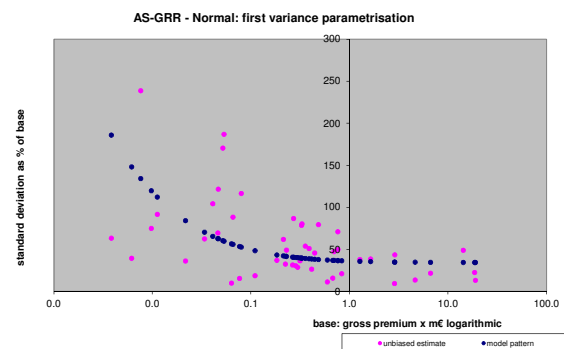
Assistance - Reserve risk

| Assistance | | Reserve risk | | | | | AS-GRR |
|-----------------|--------------|---------------------|-------------|--------------------|----------|----------------|--------|
| cfused | 1.078 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.038 | -0.75 | 17.27 | 2.81 | | 10.203 | |
| mean x | 2 | | | | | Normal | |
| Minimise | 1.649 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| delta | 0.000 | 55 | 399 | 0.07 | 1.00 | 15.4 | |
| sigma | 9.467 | | | | | 247.9 | |

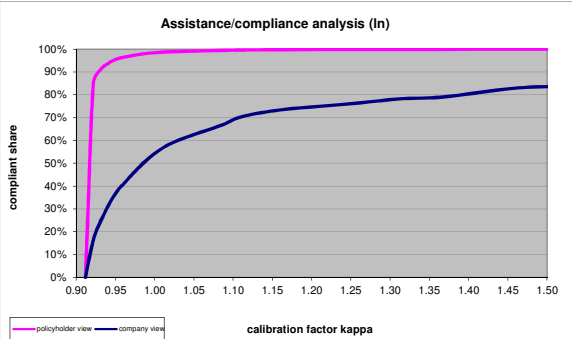
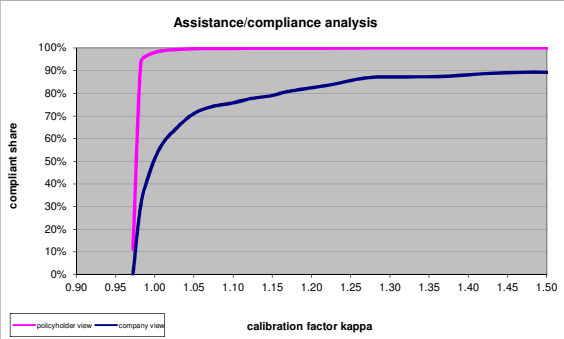
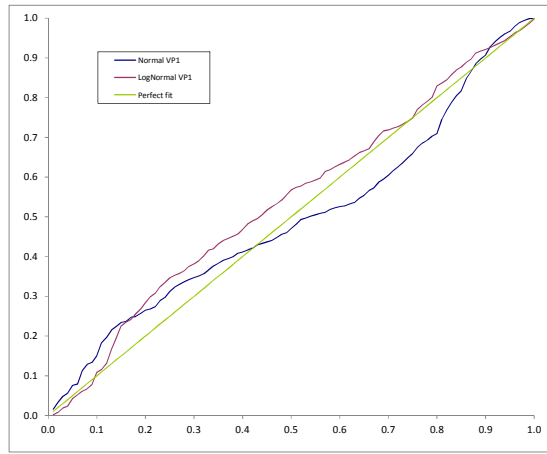
| | | | | | | |
|-----------------|---------------|---------------------|-------------|--------------------|----------|----------------|
| cfused | 1.071 | minimum | maximum | threshold | | unbiased sigma |
| cvused | 0.039 | -2.47 | 13.55 | 2.79 | | 0.831 |
| mean x | 2 | | | | | Normal |
| Minimise | -1.723 | specific parameters | sample size | standard deviation | skewness | kurtosis |
| delta | 0.988 | 48 | 376 | 0.02 | 1.00 | 7.2 |
| sigma | 0.776 | | | | | 93.6 |

| | | | | | | |
|-----------------|---------------|---------------------|-------------|--------------------|----------|----------------|
| cfused | 1.072 | minimum | maximum | threshold | | unbiased sigma |
| cvused | 0.039 | -2.87 | 4.34 | 2.78 | | 0.350 |
| mean x | 2 | | | | | Normal |
| Minimise | -2.341 | specific parameters | sample size | standard deviation | skewness | kurtosis |
| delta | 0.945 | 48 | 372 | 0.04 | 1.00 | 1.0 |
| sigma | 0.326 | | | | | 5.7 |

| | | | | | | |
|-----------------|---------------|---------------------|-------------|--------------------|----------|----------------|
| cfused | 1.073 | minimum | maximum | threshold | | unbiased sigma |
| cvused | 0.040 | -3.30 | 2.83 | 2.77 | | 0.280 |
| mean x | 2 | | | | | Lognormal |
| Minimise | -0.308 | specific parameters | sample size | standard deviation | skewness | kurtosis |
| ln(sigma) | -1.343 | 47 | 361 | 0.10 | 1.04 | -0.2 |
| delta | 0.831 | | | | | 3.5 |
| sigma | 0.261 | | | | | |

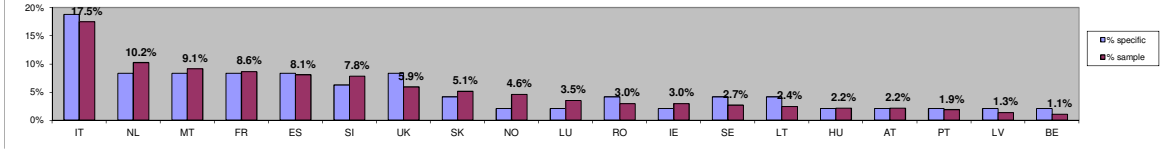


| | mean | median |
|-------------------|-------|--------|
| unbiased estimate | 57.66 | 46.23 |
| model pattern | 54.07 | 39.89 |



| | Population average implied kappa | 0.98 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 0.98 |
| policyholder view | 75% | Kappa 0.98 |
| policyholder view | 90% | Kappa 0.98 |
| policyholder view | 95% | Kappa 0.99 |
| company view | 50% | Kappa 1.00 |
| company view | 65% | Kappa 1.03 |

| | Population average implied kappa | 0.92 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 0.92 |
| policyholder view | 75% | Kappa 0.92 |
| policyholder view | 90% | Kappa 0.93 |
| policyholder view | 95% | Kappa 0.95 |
| company view | 50% | Kappa 0.99 |
| company view | 65% | Kappa 1.07 |



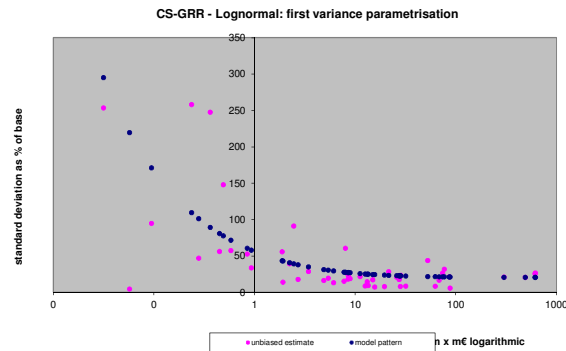
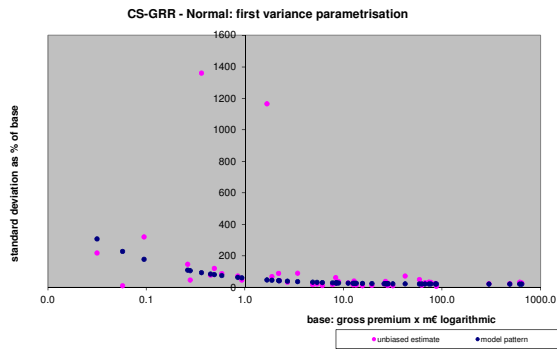
Credit and suretyship - Reserve risk

| Credit and suretyship | | Reserve risk | | | | | CS-GRR |
|-----------------------|-------|---------------------|-------------|--------------------|----------|----------------|--------|
| cfused | 1.069 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.035 | -3.20 | 14.99 | 2.85 | | 0.455 | |
| mean x | 54 | | | | | Normal | |
| Minimise | 1.991 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| delta | 0.118 | 57 | 458 | 0.09 | 1.00 | 8.3 | |
| sigma | 0.425 | | | | | 115.8 | |

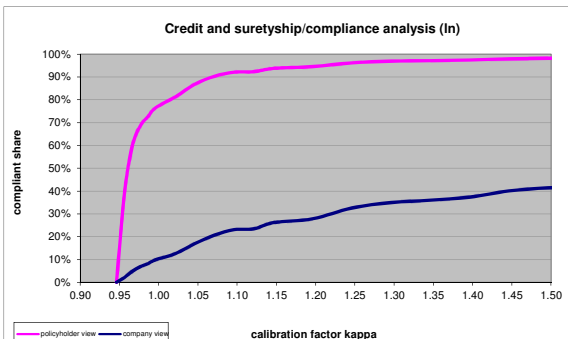
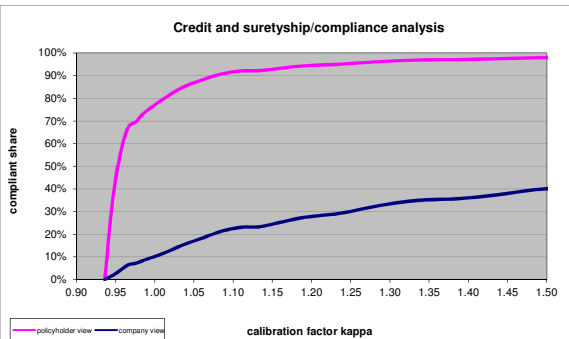
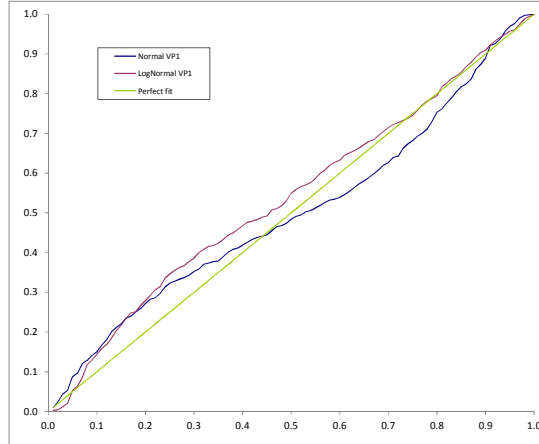
| Credit and suretyship | | Reserve risk | | | | | CS-GRR |
|-----------------------|--------|---------------------|-------------|--------------------|----------|----------------|--------|
| cfused | 1.069 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.035 | -9.04 | 4.35 | 2.85 | | 0.464 | |
| mean x | 54 | | | | | Lognormal | |
| Minimise | 0.318 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| ln(sigma) | -0.834 | 57 | 458 | 0.33 | 1.15 | -2.0 | |
| delta | 0.744 | | | | | 20.9 | |
| sigma | 0.434 | | | | | | |

| Credit and suretyship | | Reserve risk | | | | | CS-GRR |
|-----------------------|-------|---------------------|-------------|--------------------|----------|----------------|--------|
| cfused | 1.067 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.037 | -2.65 | 4.65 | 2.82 | | 0.204 | |
| mean x | 57 | | | | | Normal | |
| Minimise | 0.825 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| delta | 0.876 | 51 | 422 | 0.05 | 1.00 | 1.0 | |
| sigma | 0.191 | | | | | 5.7 | |

| Credit and suretyship | | Reserve risk | | | | | CS-GRR |
|-----------------------|--------|---------------------|-------------|--------------------|----------|----------------|--------|
| cfused | 1.067 | minimum | maximum | threshold | | unbiased sigma | |
| cvused | 0.037 | -4.16 | 3.23 | 2.82 | | 0.212 | |
| mean x | 58 | | | | | Lognormal | |
| Minimise | -0.598 | specific parameters | sample size | standard deviation | skewness | kurtosis | |
| ln(sigma) | -1.617 | 50 | 413 | 0.10 | 1.05 | -0.2 | |
| delta | 0.895 | | | | | 4.6 | |
| sigma | 0.199 | | | | | | |

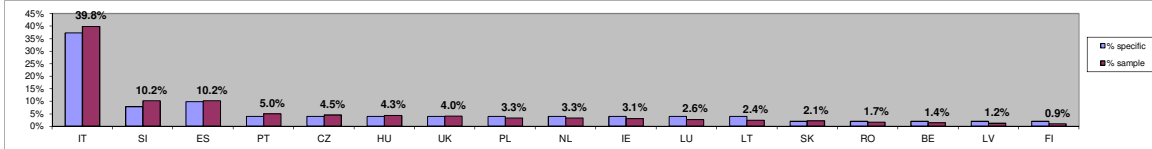


| | mean | median |
|-------------------|-------|--------|
| unbiased estimate | 94.15 | 28.20 |
| model pattern | 47.06 | 25.05 |



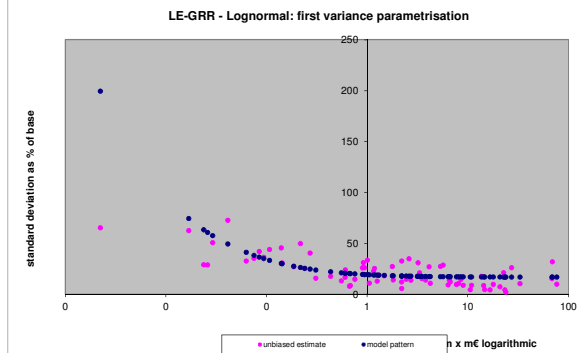
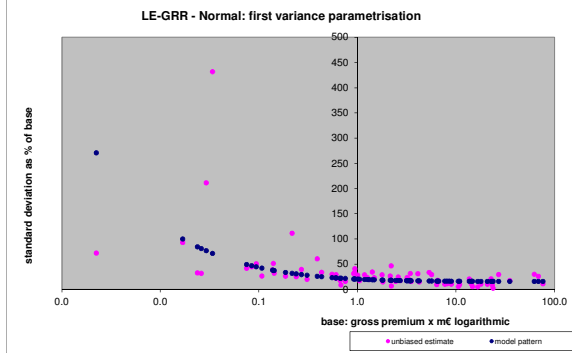
| | Population average implied kappa | 1.06 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 0.95 |
| policyholder view | 75% | Kappa 0.99 |
| policyholder view | 90% | Kappa 1.08 |
| policyholder view | 95% | Kappa 1.24 |
| company view | 50% | Kappa 2.11 |
| company view | 65% | Kappa 3.02 |

| | Population average implied kappa | 1.05 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 0.96 |
| policyholder view | 75% | Kappa 0.99 |
| policyholder view | 90% | Kappa 1.07 |
| policyholder view | 95% | Kappa 1.21 |
| company view | 50% | Kappa 1.97 |
| company view | 65% | Kappa 2.94 |

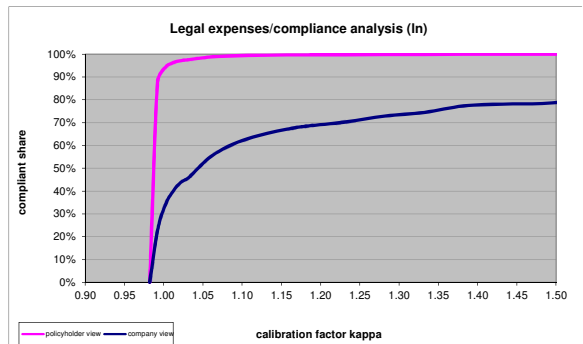
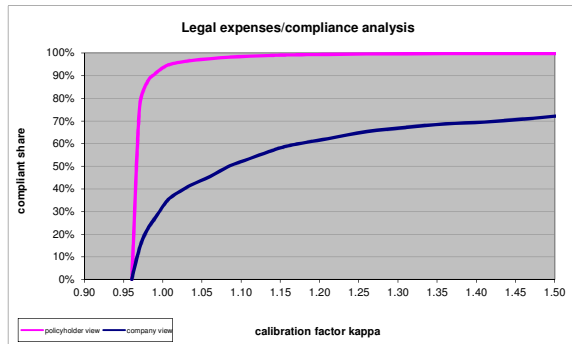
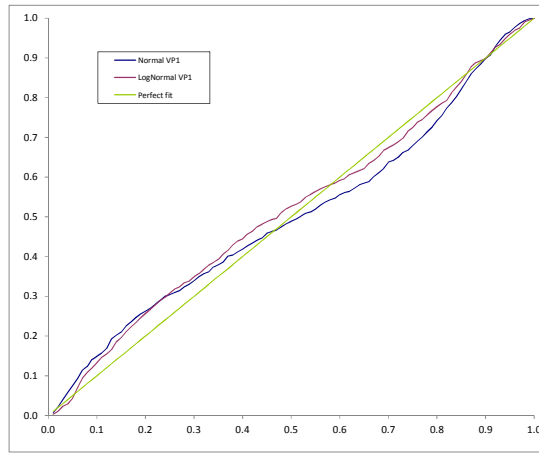


Legal expenses - Reserve risk

| Legal expenses | | Reserve risk | | | | LE-GRR |
|----------------|--------|---------------------|-------------|--------------------|----------|----------------|
| cfused | 1.064 | minimum | maximum | threshold | | unbiased sigma |
| cvused | 0.027 | -6.81 | 12.00 | 3.01 | | 0.433 |
| mean x | 8 | | | | | Normal |
| Minimise | 0.078 | specific parameters | sample size | standard deviation | skewness | kurtosis |
| delta | 0.775 | 87 | 754 | 0.05 | 1.00 | 5.3 |
| sigma | 0.407 | | | | | 63.8 |
| cfused | 1.059 | minimum | maximum | threshold | | unbiased sigma |
| cvused | 0.028 | -5.82 | 6.56 | 2.99 | | 0.183 |
| mean x | 8 | | | | | Normal |
| Minimise | -0.843 | specific parameters | sample size | standard deviation | skewness | kurtosis |
| delta | 0.853 | 77 | 717 | 0.05 | 1.00 | 1.3 |
| sigma | 0.173 | | | | | 11.3 |
| cfused | 1.060 | minimum | maximum | threshold | | unbiased sigma |
| cvused | 0.028 | -3.47 | 4.56 | 2.98 | | 0.158 |
| mean x | 8 | | | | | Normal |
| Minimise | -1.096 | specific parameters | sample size | standard deviation | skewness | kurtosis |
| delta | 0.922 | 77 | 704 | 0.04 | 1.00 | 0.6 |
| sigma | 0.149 | | | | | 5.1 |
| cfused | 1.060 | minimum | maximum | threshold | | unbiased sigma |
| cvused | 0.028 | -3.31 | 3.49 | 2.98 | | 0.169 |
| mean x | 9 | | | | | Lognormal |
| Minimise | -1.110 | specific parameters | sample size | standard deviation | skewness | kurtosis |
| delta | 0.971 | 76 | 709 | 0.06 | 1.02 | -0.3 |
| sigma | 0.198 | | | | | 7.1 |

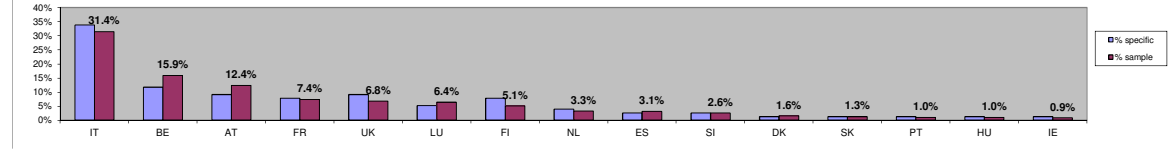


| | mean | median |
|-------------------|-------|--------|
| unbiased estimate | 33.39 | 23.16 |
| model pattern | 28.10 | 17.48 |



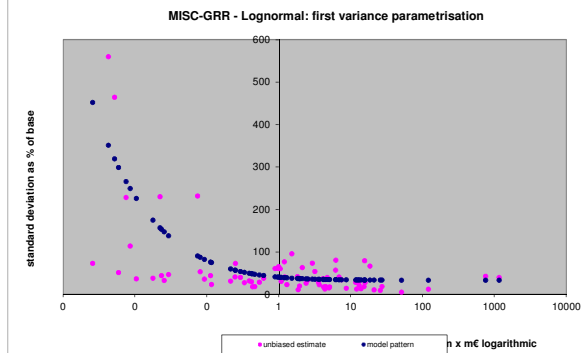
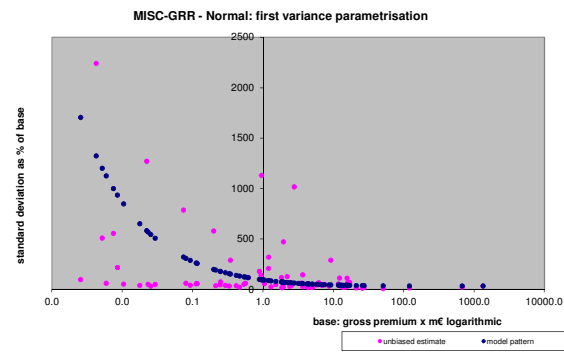
| | Population average implied kappa | 0.98 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 0.97 |
| policyholder view | 75% | Kappa 0.97 |
| policyholder view | 90% | Kappa 0.99 |
| policyholder view | 95% | Kappa 1.01 |
| company view | 50% | Kappa 1.08 |
| company view | 65% | Kappa 1.26 |

| | Population average implied kappa | 0.99 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 0.99 |
| policyholder view | 75% | Kappa 0.99 |
| policyholder view | 90% | Kappa 1.00 |
| policyholder view | 95% | Kappa 1.01 |
| company view | 50% | Kappa 1.04 |
| company view | 65% | Kappa 1.13 |

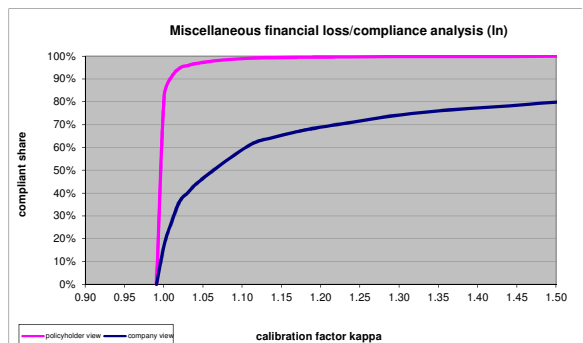
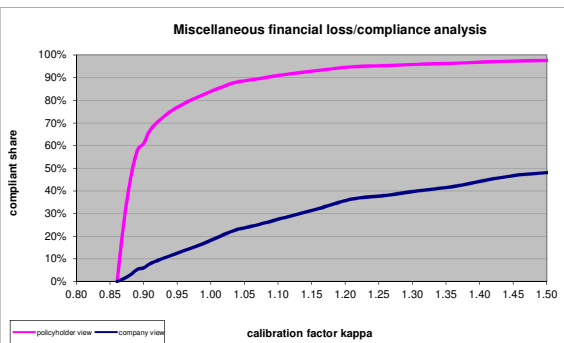
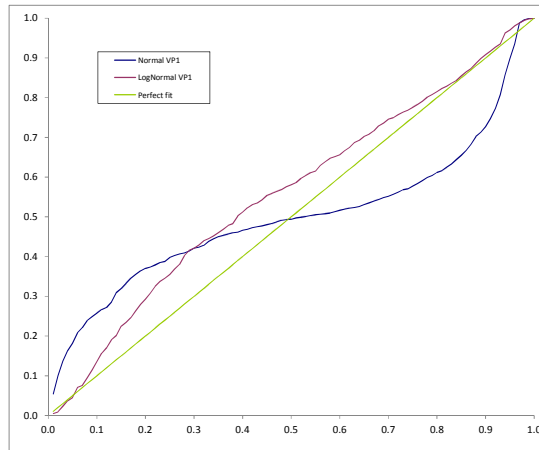


Miscellaneous financial loss - Reserve risk

| Miscellaneous financial loss | | | | | Reserve risk | | | | | MISC-GRR | | | | | |
|------------------------------|-------|---------------------|-------------|--------------------|----------------|----------|----------|-----------|---------------------|-------------|--------------------|----------|----------|-----|------|
| cfused | 1.065 | minimum | maximum | threshold | unbiased sigma | cfused | 1.065 | minimum | maximum | threshold | unbiased sigma | | | | |
| cvused | 0.028 | -0.69 | 25.75 | 2.99 | 4.603 | cvused | 0.028 | -5.47 | 6.33 | 2.99 | 0.594 | | | | |
| mean x | 24 | | | | Normal | mean x | 24 | | | | Lognormal | | | | |
| Minimise | 2.952 | specific parameters | sample size | standard deviation | skewness | kurtosis | Minimise | 0.570 | specific parameters | sample size | standard deviation | skewness | kurtosis | | |
| delta | 0.000 | 84 | 714 | 0.06 | 1.00 | 24.2 | 617.0 | In(sigma) | -0.585 | 84 | 714 | 0.45 | 1.18 | 0.7 | 9.5 |
| sigma | 4.322 | | | | | | | sigma | 0.557 | | | | | | |
| cfused | 1.063 | minimum | maximum | threshold | unbiased sigma | cfused | 1.064 | minimum | maximum | threshold | unbiased sigma | | | | |
| cvused | 0.028 | -1.94 | 15.84 | 2.98 | 0.646 | cvused | 0.029 | -3.16 | 9.53 | 2.98 | 0.360 | | | | |
| mean x | 24 | | | | Normal | mean x | 22 | | | | Lognormal | | | | |
| Minimise | 0.996 | specific parameters | sample size | standard deviation | skewness | kurtosis | Minimise | -0.048 | specific parameters | sample size | standard deviation | skewness | kurtosis | | |
| delta | 0.134 | 80 | 699 | 0.09 | 1.00 | 11.5 | 166.0 | In(sigma) | -1.030 | 80 | 699 | 0.07 | 1.00 | 4.6 | 38.5 |
| sigma | 0.608 | | | | | | | delta | 0.945 | 77 | 656 | 0.18 | 1.07 | 0.2 | 4.5 |
| | | | | | | | | sigma | 0.310 | | | | | | |

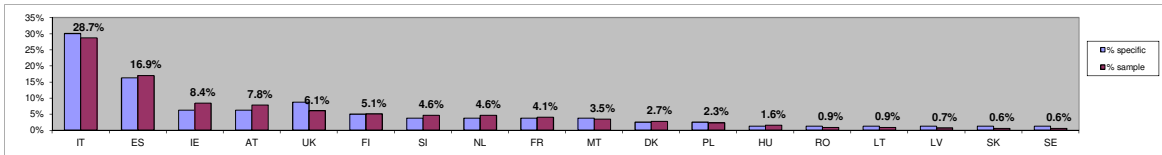


| | mean | median |
|-------------------|--------|--------|
| unbiased estimate | 164.00 | 49.56 |
| model pattern | 213.01 | 69.82 |



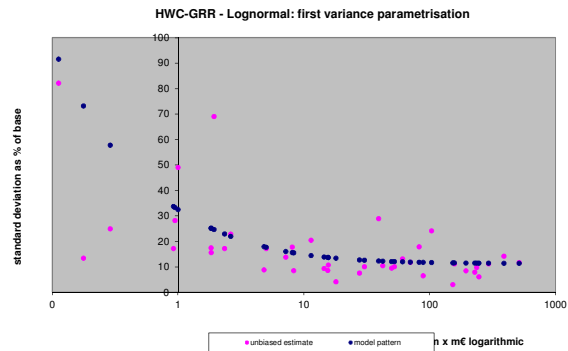
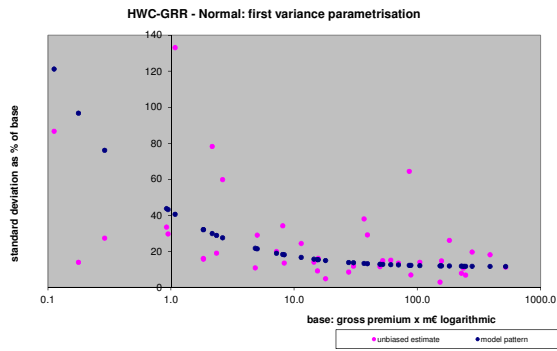
| | Population average implied kappa | 1.00 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 0.88 |
| policyholder view | 75% | Kappa 0.94 |
| policyholder view | 90% | Kappa 1.08 |
| policyholder view | 95% | Kappa 1.23 |
| company view | 50% | Kappa 1.56 |
| company view | 65% | Kappa 2.36 |

| | Population average implied kappa | 1.00 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 1.00 |
| policyholder view | 75% | Kappa 1.00 |
| policyholder view | 90% | Kappa 1.01 |
| policyholder view | 95% | Kappa 1.02 |
| company view | 50% | Kappa 1.06 |
| company view | 65% | Kappa 1.15 |

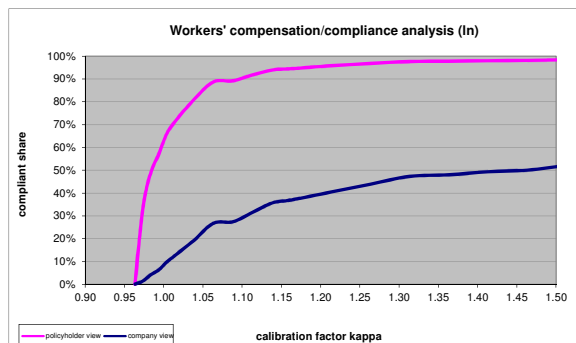
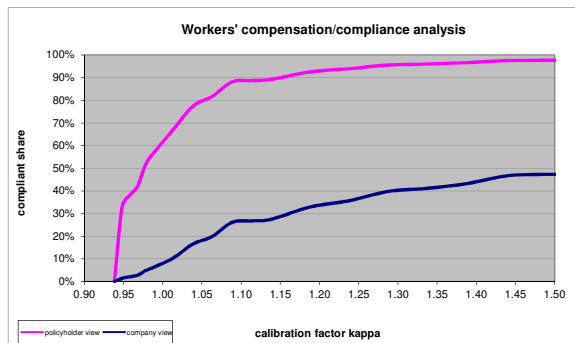
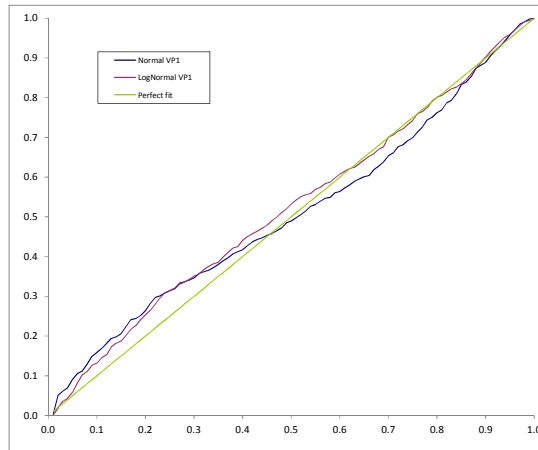


Workers' compensation - Reserve risk

| Workers' compensation | | Reserve risk | | | | #W-C-GRR |
|-----------------------|--------|---------------------|-------------|--------------------|----------------|----------|
| cfused | 1.057 | minimum | maximum | threshold | unbiased sigma | |
| cvused | 0.036 | -3.80 | 11.81 | 2.83 | 0.220 | |
| mean x | 90 | | | | Normal | |
| Minimise | 2.104 | specific parameters | sample size | standard deviation | skewness | kurtosis |
| delta | 0.000 | 45 | 434 | 0.08 | 1.00 | 4.9 |
| sigma | 0.209 | | | | | 55.8 |
| cfused | 1.054 | minimum | maximum | threshold | unbiased sigma | |
| cvused | 0.037 | -4.95 | 5.98 | 2.82 | 0.148 | |
| mean x | 92 | | | | Normal | |
| Minimise | 1.509 | specific parameters | sample size | standard deviation | skewness | kurtosis |
| delta | 0.790 | 41 | 413 | 0.06 | 1.00 | 0.8 |
| sigma | 0.140 | | | | | 10.2 |
| cfused | 1.056 | minimum | maximum | threshold | unbiased sigma | |
| cvused | 0.037 | -3.90 | 4.34 | 2.81 | 0.121 | |
| mean x | 93 | | | | Normal | |
| Minimise | 1.214 | specific parameters | sample size | standard deviation | skewness | kurtosis |
| delta | 0.880 | 41 | 402 | 0.06 | 1.00 | 0.6 |
| sigma | 0.114 | | | | | 5.9 |
| cfused | 1.057 | minimum | maximum | threshold | unbiased sigma | |
| cvused | 0.037 | -3.77 | 3.10 | 2.81 | 0.116 | |
| mean x | 94 | | | | Lognormal | |
| Minimise | -1.391 | specific parameters | sample size | standard deviation | skewness | kurtosis |
| In(sigma) | -2.206 | 41 | 398 | 0.07 | 1.02 | 0.1 |
| delta | 0.928 | | | | | 4.1 |
| sigma | 0.110 | | | | | |



| | mean | median |
|-------------------|-------|--------|
| unbiased estimate | 25.11 | 15.52 |
| model pattern | 24.15 | 14.80 |



| | Population average implied kappa | 1.08 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 0.98 |
| policyholder view | 75% | Kappa 1.03 |
| policyholder view | 90% | Kappa 1.15 |
| policyholder view | 95% | Kappa 1.27 |
| company view | 50% | Kappa 1.69 |
| company view | 65% | Kappa 2.56 |

| | Population average implied kappa | 1.05 |
|-------------------|----------------------------------|------------|
| policyholder view | 50% | Kappa 0.98 |
| policyholder view | 75% | Kappa 1.02 |
| policyholder view | 90% | Kappa 1.10 |
| policyholder view | 95% | Kappa 1.18 |
| company view | 50% | Kappa 1.46 |
| company view | 65% | Kappa 2.20 |

