Table 4.1. Relative parameter bias of GBIT and cML across the sample sizes and censoring proportions

|  | | **0.05-0.95** | **0.1-0.9** | **0.2-0.8** | **0.3-0.7** | **0.4-0.6** | **0.05-0.95** | **0.1-0.9** | **0.2-0.8** | **0.3-0.7** | **0.4-0.6** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **P** | **N** | **GBIT** | | | | | **cML** | | | | |
| **Mean** | **100** | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.005 | 0.013 | 0.030 | 0.053 | 0.068 |
| **200** | 0.000 | 0.000 | 0.000 | 0.000 | -0.002 | 0.005 | 0.013 | 0.029 | 0.053 | 0.073 |
| **500** | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.005 | 0.013 | 0.032 | 0.054 | 0.078 |
| **1,000** | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.005 | 0.013 | 0.032 | 0.050 | 0.072 |
| **Var** | **100** | -0.009 | -0.005 | 0.005 | 0.013 | 0.083 | -0.164 | -0.310 | -0.569 | -0.784 | -0.936 |
| **200** | -0.004 | -0.006 | -0.005 | 0.007 | 0.021 | -0.164 | -0.314 | -0.575 | -0.785 | -0.938 |
| **500** | -0.002 | -0.002 | 0.002 | 0.004 | 0.018 | -0.166 | -0.314 | -0.572 | -0.784 | -0.937 |
| **1,000** | 0.000 | 0.000 | 0.000 | 0.001 | 0.007 | -0.164 | -0.313 | -0.573 | -0.785 | -0.938 |
| **Corr** | **100** | -0.003 | -0.005 | -0.005 | -0.012 | 0.014 | -0.028 | -0.062 | -0.138 | -0.236 | -0.312 |
| **200** | -0.002 | 0.000 | 0.000 | -0.007 | 0.003 | -0.026 | -0.057 | -0.131 | -0.231 | -0.319 |
| **500** | 0.000 | -0.002 | 0.000 | -0.001 | 0.004 | -0.024 | -0.059 | -0.139 | -0.229 | -0.316 |
| **1,000** | 0.001 | 0.001 | -0.004 | 0.000 | -0.009 | -0.026 | -0.057 | -0.140 | -0.224 | -0.323 |
| **Covar** | **100** | -0.012 | -0.011 | -0.005 | -0.009 | 0.060 | -0.190 | -0.358 | -0.636 | -0.841 | -0.958 |
| **200** | -0.007 | -0.006 | -0.006 | -0.006 | 0.008 | -0.188 | -0.358 | -0.637 | -0.841 | -0.960 |
| **500** | -0.002 | -0.004 | 0.000 | 0.001 | 0.016 | -0.188 | -0.359 | -0.640 | -0.840 | -0.959 |
| **1,000** | 0.000 | 0.001 | -0.004 | 0.000 | -0.006 | -0.188 | -0.357 | -0.640 | -0.840 | -0.960 |
| Note. P: parameters; N: sample size; GBIT: generalized tobit estimator; cML: ML estimator with censored data | | | | | | | | | | | |