# Appendix Table 14-17

Estimates of other parameters when $c_1^2 = 1, \ c_2^2 = 0$ for scenario 5-8

Yi

2021-04-12

## Load data

```
s.rdt <- "scenario/18rows/set-0.5b-all-c10.RData"
dt <- "res/DT-pkg-0.5b-all-c10/"
```

## Scenario 9

## Scenario 10

## Scenario 15

## Scenario 16

Table 1: Estimates of the parameters when $c_1^2 = 1, c_2^2 = 0$

| $S$ | Par | True | Proposed $(\hat{c}_1^2, \hat{c}_2^2)$ | Proposed $(c_1^2 = 1)$ | Proposed $(c_1^2 = c_2^2)$ | Reitsma$_O$ | Reitsma$_P$ |
|---|---|---|---|---|---|---|---|
| 25 | SAUC | 0.828 | 0.837 (0.801, 0.866) | 0.833 (0.791, 0.864) | 0.844 (0.814, 0.869) | 0.860 (0.837, 0.881) | 0.826 (0.799, 0.850) |
| | $\mu_1$ | 1.386 | 1.576 (1.368, 1.803) | 1.431 (1.159, 1.654) | 1.658 (1.469, 1.821) | 1.710 (1.550, 1.868) | 1.385 (1.218, 1.541) |
| | $\mu_2$ | 1.386 | 0.744 (0.204, 1.282) | 1.371 (0.997, 1.716) | 0.688 (0.163, 1.179) | 1.208 (0.866, 1.564) | 1.392 (1.119, 1.687) |
| | $\tau_1^2$ | 1.000 | 0.698 (0.464, 0.980) | 0.836 (0.504, 1.315) | 0.605 (0.412, 0.842) | 0.587 (0.404, 0.812) | 0.915 (0.670, 1.158) |
| | $\tau_2^2$ | 4.000 | 4.476 (3.128, 6.033) | 3.632 (2.690, 4.684) | 4.443 (3.145, 6.055) | 3.438 (2.595, 4.491) | 3.659 (2.932, 4.595) |
| | $\tau_{12}$ | -0.600 | -0.308 (-0.768, 0.065) | -0.465 (-0.972, -0.098) | -0.250 (-0.636, 0.092) | -0.358 (-0.705, -0.076) | -0.532 (-0.875, -0.255) |
| | $c_1^2$ | 1.000 | 0.760 (0.238, 0.993) | | | | |
| | $\beta$ | 0.500 | 1.291 (0.381, 2.000) | 0.656 (0.241, 2.000) | 0.270 (0.062, 0.844) | | |
| | $\alpha$ | -0.569 | -0.447 (-1.669, 0.460) | -0.578 (-1.304, -0.122) | 0.102 (-0.267, 0.409) | | |
| | CR | | 99.8 | 99.7 | 99.5 | 99.8 | 99.8 |
| 50 | SAUC | 0.828 | 0.834 (0.806, 0.858) | 0.832 (0.806, 0.855) | 0.849 (0.829, 0.865) | 0.862 (0.847, 0.878) | 0.826 (0.808, 0.845) |
| | $\mu_1$ | 1.386 | 1.546 (1.367, 1.738) | 1.418 (1.213, 1.595) | 1.668 (1.546, 1.785) | 1.719 (1.602, 1.840) | 1.376 (1.262, 1.504) |
| | $\mu_2$ | 1.386 | 0.859 (0.348, 1.292) | 1.378 (1.121, 1.651) | 0.778 (0.359, 1.152) | 1.226 (0.985, 1.455) | 1.386 (1.182, 1.584) |
| | $\tau_1^2$ | 1.000 | 0.756 (0.600, 0.978) | 0.905 (0.655, 1.270) | 0.663 (0.532, 0.806) | 0.648 (0.527, 0.787) | 0.958 (0.807, 1.141) |
| | $\tau_2^2$ | 4.000 | 4.477 (3.551, 5.507) | 3.820 (3.104, 4.558) | 4.398 (3.496, 5.557) | 3.710 (3.024, 4.375) | 3.832 (3.310, 4.448) |
| | $\tau_{12}$ | -0.600 | -0.373 (-0.704, -0.025) | -0.565 (-0.922, -0.269) | -0.345 (-0.598, -0.049) | -0.425 (-0.654, -0.208) | -0.576 (-0.817, -0.347) |
| | $c_1^2$ | 1.000 | 0.857 (0.393, 1.000) | | | | |
| | $\beta$ | 0.500 | 0.613 (0.307, 1.196) | 0.542 (0.273, 0.930) | 0.183 (0.042, 0.449) | | |
| | $\alpha$ | -0.569 | -0.473 (-1.062, 0.257) | -0.525 (-0.917, -0.244) | 0.143 (-0.112, 0.386) | | |
| | CR | | 99.8 | 99.7 | 99.6 | 99.9 | 100 |
| 200 | SAUC | 0.828 | 0.834 (0.817, 0.849) | 0.828 (0.815, 0.841) | 0.852 (0.842, 0.862) | 0.864 (0.856, 0.871) | 0.828 (0.819, 0.835) |
| | $\mu_1$ | 1.386 | 1.489 (1.356, 1.651) | 1.394 (1.290, 1.480) | 1.682 (1.621, 1.738) | 1.727 (1.672, 1.777) | 1.383 (1.332, 1.436) |
| | $\mu_2$ | 1.386 | 1.108 (0.721, 1.381) | 1.394 (1.239, 1.518) | 0.905 (0.623, 1.123) | 1.232 (1.102, 1.343) | 1.384 (1.296, 1.488) |
| | $\tau_1^2$ | 1.000 | 0.816 (0.705, 1.004) | 0.973 (0.814, 1.170) | 0.681 (0.608, 0.765) | 0.678 (0.607, 0.758) | 0.994 (0.903, 1.080) |
| | $\tau_2^2$ | 4.000 | 4.168 (3.761, 4.703) | 3.933 (3.614, 4.327) | 4.261 (3.849, 4.852) | 3.853 (3.538, 4.236) | 3.977 (3.668, 4.263) |
| | $\tau_{12}$ | -0.600 | -0.448 (-0.631, -0.246) | -0.584 (-0.760, -0.413) | -0.372 (-0.513, -0.220) | -0.432 (-0.547, -0.315) | -0.597 (-0.717, -0.473) |
| | $c_1^2$ | 1.000 | 0.972 (0.564, 1.000) | | | | |
| | $\beta$ | 0.500 | 0.467 (0.280, 0.644) | 0.524 (0.383, 0.670) | 0.130 (0.023, 0.263) | | |
| | $\alpha$ | -0.569 | -0.495 (-0.737, -0.048) | -0.564 (-0.709, -0.424) | 0.128 (-0.061, 0.396) | | |
| | CR | | 97.9 | 99.9 | 98.1 | 99.9 | 99.9 |

Table 2: Estimates of the parameters when $c_1^2 = 1, c_2^2 = 0$

| $S$ | Par | True | Proposed $(\hat{c}_1^2, \hat{c}_2^2)$ | Proposed $(c_1^2 = 1)$ | Proposed $(c_1^2 = c_2^2)$ | Reitsma$_O$ | Reitsma$_P$ |
|---|---|---|---|---|---|---|---|
| 25 | SAUC | 0.846 | 0.851 (0.825, 0.873) | 0.850 (0.823, 0.872) | 0.855 (0.831, 0.875) | 0.869 (0.849, 0.885) | 0.845 (0.824, 0.864) |
| | $\mu_1$ | 1.386 | 1.677 (1.427, 1.892) | 1.428 (1.172, 1.668) | 1.706 (1.529, 1.888) | 1.715 (1.548, 1.892) | 1.379 (1.208, 1.539) |
| | $\mu_2$ | 1.386 | 0.539 (-0.025, 1.134) | 1.311 (0.937, 1.718) | 0.515 (0.022, 0.971) | 1.053 (0.731, 1.380) | 1.395 (1.126, 1.668) |
| | $\tau_1^2$ | 1.000 | 0.679 (0.484, 0.974) | 0.831 (0.546, 1.290) | 0.600 (0.446, 0.830) | 0.594 (0.432, 0.820) | 0.924 (0.704, 1.186) |
| | $\tau_2^2$ | 4.000 | 4.342 (2.951, 5.724) | 3.495 (2.621, 4.659) | 4.137 (2.946, 5.657) | 3.239 (2.431, 4.202) | 3.669 (2.933, 4.505) |
| | $\tau_{12}$ | -1.200 | -0.877 (-1.354, -0.446) | -1.014 (-1.563, -0.590) | -0.757 (-1.171, -0.370) | -0.767 (-1.124, -0.453) | -1.101 (-1.493, -0.786) |
| | $c_1^2$ | 1.000 | 0.644 (0.263, 0.955) | | | | |
| | $\beta$ | 0.500 | 1.669 (0.467, 2.000) | 0.631 (0.227, 2.000) | 0.353 (0.077, 1.252) | | |
| | $\alpha$ | -0.570 | -0.536 (-1.786, 0.423) | -0.560 (-1.295, -0.088) | -0.012 (-0.524, 0.333) | | |
| | CR | | 99.4 | 99.8 | 100 | 100 | 100 |
| 50 | SAUC | 0.846 | 0.851 (0.833, 0.867) | 0.850 (0.833, 0.865) | 0.856 (0.841, 0.871) | 0.871 (0.857, 0.882) | 0.847 (0.834, 0.859) |
| | $\mu_1$ | 1.386 | 1.657 (1.454, 1.836) | 1.431 (1.240, 1.591) | 1.725 (1.606, 1.841) | 1.730 (1.618, 1.833) | 1.402 (1.289, 1.504) |
| | $\mu_2$ | 1.386 | 0.593 (0.098, 1.072) | 1.342 (1.061, 1.612) | 0.572 (0.191, 0.882) | 1.047 (0.817, 1.282) | 1.372 (1.184, 1.566) |
| | $\tau_1^2$ | 1.000 | 0.732 (0.577, 0.936) | 0.896 (0.659, 1.244) | 0.640 (0.518, 0.794) | 0.640 (0.523, 0.790) | 0.949 (0.788, 1.115) |
| | $\tau_2^2$ | 4.000 | 4.336 (3.402, 5.658) | 3.708 (3.040, 4.636) | 4.168 (3.351, 5.415) | 3.449 (2.852, 4.159) | 3.868 (3.273, 4.496) |
| | $\tau_{12}$ | -1.200 | -0.938 (-1.273, -0.593) | -1.096 (-1.460, -0.783) | -0.810 (-1.096, -0.560) | -0.831 (-1.080, -0.610) | -1.156 (-1.392, -0.921) |
| | $c_1^2$ | 1.000 | 0.671 (0.281, 0.965) | | | | |
| | $\beta$ | 0.500 | 0.733 (0.363, 1.973) | 0.538 (0.287, 1.022) | 0.281 (0.085, 0.622) | | |
| | $\alpha$ | -0.570 | -0.470 (-1.270, 0.371) | -0.553 (-0.996, -0.271) | -0.008 (-0.359, 0.293) | | |
| | CR | | 99.6 | 99.8 | 99.7 | 100 | 100 |
| 200 | SAUC | 0.846 | 0.851 (0.840, 0.861) | 0.847 (0.838, 0.856) | 0.860 (0.851, 0.867) | 0.870 (0.864, 0.876) | 0.846 (0.839, 0.852) |
| | $\mu_1$ | 1.386 | 1.618 (1.424, 1.739) | 1.392 (1.299, 1.494) | 1.718 (1.663, 1.776) | 1.720 (1.667, 1.777) | 1.384 (1.326, 1.437) |
| | $\mu_2$ | 1.386 | 0.856 (0.476, 1.259) | 1.368 (1.235, 1.515) | 0.655 (0.448, 0.869) | 1.055 (0.931, 1.168) | 1.390 (1.284, 1.482) |
| | $\tau_1^2$ | 1.000 | 0.763 (0.668, 0.920) | 0.969 (0.812, 1.140) | 0.683 (0.612, 0.750) | 0.689 (0.618, 0.758) | 0.993 (0.902, 1.076) |
| | $\tau_2^2$ | 4.000 | 4.135 (3.719, 4.689) | 3.958 (3.578, 4.385) | 4.125 (3.698, 4.657) | 3.666 (3.340, 4.006) | 3.991 (3.689, 4.280) |
| | $\tau_{12}$ | -1.200 | -0.962 (-1.171, -0.792) | -1.169 (-1.393, -0.995) | -0.869 (-1.004, -0.744) | -0.876 (-0.997, -0.764) | -1.197 (-1.323, -1.058) |
| | $c_1^2$ | 1.000 | 0.782 (0.406, 0.999) | | | | |
| | $\beta$ | 0.500 | 0.437 (0.255, 0.641) | 0.505 (0.375, 0.656) | 0.200 (0.084, 0.337) | | |
| | $\alpha$ | -0.570 | -0.473 (-0.779, 0.024) | -0.557 (-0.707, -0.422) | -0.019 (-0.188, 0.224) | | |
| | CR | | 99.3 | 99.8 | 99.2 | 100 | 99.9 |

Table 3: Estimates of the parameters when $c_1^2 = 1, c_2^2 = 0$

| $S$ | Par | True | Proposed $(\hat{c}_1^2, \hat{c}_2^2)$ | Proposed $(c_1^2 = 1)$ | Proposed $(c_1^2 = c_2^2)$ | Reitsma$_O$ | Reitsma$_P$ |
|---|---|---|---|---|---|---|---|
| 25 | SAUC | 0.892 | 0.902 (0.882, 0.918) | 0.893 (0.866, 0.913) | 0.907 (0.891, 0.923) | 0.912 (0.897, 0.926) | 0.891 (0.873, 0.905) |
| | $\mu_1$ | 2.197 | 2.307 (2.112, 2.533) | 2.224 (1.976, 2.435) | 2.386 (2.207, 2.567) | 2.459 (2.279, 2.631) | 2.211 (2.048, 2.351) |
| | $\mu_2$ | -0.405 | -1.003 (-1.499, -0.554) | -0.444 (-0.777, -0.062) | -1.041 (-1.543, -0.588) | -0.540 (-0.887, -0.208) | -0.406 (-0.681, -0.122) |
| | $\tau_1^2$ | 1.000 | 0.800 (0.564, 1.097) | 0.861 (0.589, 1.263) | 0.722 (0.522, 0.970) | 0.706 (0.514, 0.942) | 0.920 (0.676, 1.165) |
| | $\tau_2^2$ | 4.000 | 4.581 (3.285, 5.876) | 3.753 (2.789, 4.928) | 4.549 (3.256, 5.910) | 3.632 (2.722, 4.786) | 3.840 (2.979, 4.702) |
| | $\tau_{12}$ | -0.600 | -0.384 (-0.794, 0.064) | -0.579 (-0.977, -0.154) | -0.342 (-0.746, 0.044) | -0.469 (-0.802, -0.120) | -0.598 (-0.900, -0.241) |
| | $c_1^2$ | 1.000 | 0.767 (0.365, 0.961) | | | | |
| | $\beta$ | 0.500 | 2.000 (0.429, 2.000) | 0.665 (0.284, 2.000) | 0.224 (0.022, 0.660) | | |
| | $\alpha$ | -1.266 | -0.466 (-2.536, 1.071) | -1.624 (-3.615, -0.730) | 0.473 (0.233, 0.745) | | |
| | CR | | 99.2 | 99.5 | 99.5 | 100 | 99.8 |
| 50 | SAUC | 0.892 | 0.900 (0.886, 0.913) | 0.893 (0.876, 0.907) | 0.910 (0.898, 0.920) | 0.915 (0.903, 0.923) | 0.891 (0.879, 0.902) |
| | $\mu_1$ | 2.197 | 2.278 (2.108, 2.443) | 2.211 (2.058, 2.363) | 2.400 (2.271, 2.530) | 2.464 (2.352, 2.574) | 2.197 (2.085, 2.308) |
| | $\mu_2$ | -0.405 | -0.945 (-1.389, -0.530) | -0.419 (-0.667, -0.146) | -0.980 (-1.376, -0.597) | -0.534 (-0.782, -0.314) | -0.412 (-0.607, -0.229) |
| | $\tau_1^2$ | 1.000 | 0.879 (0.684, 1.116) | 0.949 (0.715, 1.239) | 0.787 (0.620, 0.948) | 0.770 (0.611, 0.932) | 0.962 (0.814, 1.157) |
| | $\tau_2^2$ | 4.000 | 4.372 (3.524, 5.523) | 3.737 (3.107, 4.497) | 4.350 (3.537, 5.469) | 3.663 (3.047, 4.400) | 3.861 (3.272, 4.436) |
| | $\tau_{12}$ | -0.600 | -0.342 (-0.659, -0.027) | -0.557 (-0.871, -0.288) | -0.357 (-0.627, -0.091) | -0.457 (-0.693, -0.231) | -0.561 (-0.807, -0.339) |
| | $c_1^2$ | 1.000 | 0.835 (0.468, 0.988) | | | | |
| | $\beta$ | 0.500 | 0.712 (0.351, 1.684) | 0.556 (0.327, 0.929) | 0.169 (0.014, 0.390) | | |
| | $\alpha$ | -1.266 | -0.732 (-1.875, 0.528) | -1.372 (-2.172, -0.852) | 0.420 (0.267, 0.576) | | |
| | CR | | 98.8 | 99.2 | 99 | 99.9 | 100 |
| 200 | SAUC | 0.892 | 0.897 (0.888, 0.906) | 0.893 (0.885, 0.901) | 0.912 (0.906, 0.917) | 0.915 (0.910, 0.920) | 0.892 (0.886, 0.897) |
| | $\mu_1$ | 2.197 | 2.247 (2.150, 2.349) | 2.213 (2.129, 2.285) | 2.441 (2.377, 2.496) | 2.469 (2.410, 2.523) | 2.197 (2.143, 2.254) |
| | $\mu_2$ | -0.405 | -0.655 (-0.936, -0.429) | -0.412 (-0.536, -0.276) | -0.775 (-0.992, -0.568) | -0.540 (-0.665, -0.409) | -0.403 (-0.505, -0.305) |
| | $\tau_1^2$ | 1.000 | 0.912 (0.797, 1.068) | 0.972 (0.860, 1.107) | 0.787 (0.713, 0.865) | 0.787 (0.715, 0.862) | 0.995 (0.908, 1.077) |
| | $\tau_2^2$ | 4.000 | 4.106 (3.732, 4.597) | 3.948 (3.594, 4.310) | 4.133 (3.751, 4.606) | 3.886 (3.545, 4.248) | 3.956 (3.683, 4.264) |
| | $\tau_{12}$ | -0.600 | -0.452 (-0.626, -0.277) | -0.590 (-0.748, -0.426) | -0.453 (-0.575, -0.308) | -0.487 (-0.609, -0.360) | -0.578 (-0.708, -0.466) |
| | $c_1^2$ | 1.000 | 0.976 (0.701, 1.000) | | | | |
| | $\beta$ | 0.500 | 0.482 (0.312, 0.645) | 0.500 (0.395, 0.627) | 0.067 (0.000, 0.160) | | |
| | $\alpha$ | -1.266 | -1.072 (-1.487, -0.070) | -1.269 (-1.559, -1.026) | 0.395 (0.300, 0.491) | | |
| | CR | | 96.7 | 99.9 | 97.1 | 99.8 | 99.8 |

Table 4: Estimates of the parameters when $c_1^2 = 1, c_2^2 = 0$

| $S$ | Par | True | Proposed $(\hat{c}_1^2, \hat{c}_2^2)$ | Proposed $(c_1^2 = 1)$ | Proposed $(c_1^2 = c_2^2)$ | Reitsma$_O$ | Reitsma$_P$ |
|---|---|---|---|---|---|---|---|
| 25 | SAUC | 0.877 | 0.889 (0.868, 0.908) | 0.880 (0.855, 0.901) | 0.895 (0.876, 0.911) | 0.897 (0.879, 0.914) | 0.876 (0.858, 0.893) |
| | $\mu_1$ | 2.197 | 2.392 (2.180, 2.625) | 2.239 (2.027, 2.461) | 2.465 (2.285, 2.628) | 2.469 (2.290, 2.615) | 2.205 (2.045, 2.355) |
| | $\mu_2$ | -0.405 | -1.210 (-1.736, -0.648) | -0.440 (-0.831, -0.065) | -1.250 (-1.752, -0.770) | -0.684 (-1.017, -0.340) | -0.415 (-0.704, -0.124) |
| | $\tau_1^2$ | 1.000 | 0.778 (0.548, 1.035) | 0.852 (0.575, 1.226) | 0.720 (0.513, 0.935) | 0.711 (0.500, 0.926) | 0.910 (0.676, 1.139) |
| | $\tau_2^2$ | 4.000 | 4.315 (3.115, 6.010) | 3.593 (2.644, 4.777) | 4.319 (3.140, 6.097) | 3.406 (2.529, 4.421) | 3.708 (3.006, 4.656) |
| | $\tau_{12}$ | -1.200 | -0.918 (-1.405, -0.524) | -1.069 (-1.550, -0.664) | -0.889 (-1.351, -0.504) | -0.909 (-1.271, -0.583) | -1.132 (-1.508, -0.791) |
| | $c_1^2$ | 1.000 | 0.679 (0.387, 0.909) | | | | |
| | $\beta$ | 0.500 | 2.000 (0.633, 2.000) | 0.611 (0.244, 1.940) | 0.326 (0.076, 1.243) | | |
| | $\alpha$ | -1.265 | -0.392 (-2.452, 1.202) | -1.512 (-3.431, -0.578) | 0.424 (0.157, 0.734) | | |
| | CR | | 99.7 | 99.3 | 99.8 | 99.7 | 100 |
| 50 | SAUC | 0.877 | 0.889 (0.874, 0.901) | 0.880 (0.861, 0.895) | 0.896 (0.883, 0.906) | 0.899 (0.887, 0.909) | 0.876 (0.865, 0.888) |
| | $\mu_1$ | 2.197 | 2.379 (2.200, 2.526) | 2.216 (2.047, 2.378) | 2.457 (2.333, 2.576) | 2.458 (2.342, 2.568) | 2.191 (2.072, 2.302) |
| | $\mu_2$ | -0.405 | -1.147 (-1.590, -0.683) | -0.399 (-0.688, -0.120) | -1.109 (-1.510, -0.768) | -0.653 (-0.901, -0.437) | -0.388 (-0.585, -0.184) |
| | $\tau_1^2$ | 1.000 | 0.802 (0.644, 0.992) | 0.899 (0.692, 1.179) | 0.735 (0.608, 0.893) | 0.745 (0.610, 0.904) | 0.942 (0.776, 1.137) |
| | $\tau_2^2$ | 4.000 | 4.451 (3.501, 5.515) | 3.817 (3.114, 4.640) | 4.315 (3.411, 5.349) | 3.608 (2.950, 4.304) | 3.810 (3.322, 4.406) |
| | $\tau_{12}$ | -1.200 | -0.926 (-1.277, -0.653) | -1.113 (-1.507, -0.815) | -0.932 (-1.237, -0.666) | -0.930 (-1.205, -0.706) | -1.157 (-1.401, -0.918) |
| | $c_1^2$ | 1.000 | 0.698 (0.434, 0.931) | | | | |
| | $\beta$ | 0.500 | 0.757 (0.372, 1.997) | 0.553 (0.307, 0.889) | 0.222 (0.048, 0.529) | | |
| | $\alpha$ | -1.265 | -0.403 (-1.704, 0.600) | -1.359 (-2.115, -0.791) | 0.365 (0.187, 0.559) | | |
| | CR | | 99.1 | 99.1 | 99.3 | 99.8 | 99.9 |
| 200 | SAUC | 0.877 | 0.884 (0.875, 0.893) | 0.878 (0.869, 0.885) | 0.896 (0.890, 0.902) | 0.900 (0.894, 0.905) | 0.877 (0.871, 0.882) |
| | $\mu_1$ | 2.197 | 2.293 (2.176, 2.411) | 2.201 (2.128, 2.282) | 2.461 (2.403, 2.521) | 2.464 (2.403, 2.518) | 2.196 (2.135, 2.249) |
| | $\mu_2$ | -0.405 | -0.757 (-1.157, -0.459) | -0.412 (-0.550, -0.269) | -0.981 (-1.214, -0.762) | -0.678 (-0.800, -0.557) | -0.398 (-0.502, -0.301) |
| | $\tau_1^2$ | 1.000 | 0.869 (0.774, 1.017) | 0.975 (0.851, 1.115) | 0.787 (0.706, 0.862) | 0.790 (0.716, 0.871) | 0.995 (0.907, 1.083) |
| | $\tau_2^2$ | 4.000 | 4.080 (3.664, 4.575) | 3.963 (3.607, 4.344) | 4.100 (3.668, 4.578) | 3.739 (3.419, 4.057) | 3.962 (3.659, 4.259) |
| | $\tau_{12}$ | -1.200 | -1.022 (-1.211, -0.858) | -1.195 (-1.384, -1.023) | -0.983 (-1.120, -0.851) | -0.986 (-1.117, -0.868) | -1.197 (-1.338, -1.075) |
| | $c_1^2$ | 1.000 | 0.934 (0.651, 1.000) | | | | |
| | $\beta$ | 0.500 | 0.507 (0.361, 0.660) | 0.507 (0.401, 0.634) | 0.125 (0.020, 0.253) | | |
| | $\alpha$ | -1.265 | -1.061 (-1.498, -0.093) | -1.283 (-1.550, -1.031) | 0.328 (0.225, 0.460) | | |
| | CR | | 98.6 | 99.7 | 99.1 | 100 | 99.9 |