

Appendix Table 18-25

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

Yi

2021-04-05

Load data

Scenario 1

Scenario 2

Scenario 3

Scenario 4

Scenario 5

Scenario 6

Scenario 7

Scenario 8

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

| S_P | Par | True | Proposed ($\tilde{c}_1^2, \tilde{c}_2^2$) | Proposed ($c_1^2 = 0$) | Proposed ($c_1^2 = c_2^2$) | Reitsma _O | Reitsma _P |
|-------|----------------|--------|---|--------------------------|------------------------------|-------------------------|-------------------------|
| 25 | SAUC | 0.620 | 0.559 (0.385, 0.699) | 0.631 (0.510, 0.725) | 0.553 (0.359, 0.691) | 0.637 (0.509, 0.734) | 0.630 (0.537, 0.701) |
| | μ_1 | 0.000 | -0.157 (-0.385, 0.048) | 0.002 (-0.139, 0.171) | -0.169 (-0.372, 0.004) | -0.029 (-0.171, 0.126) | 0.010 (-0.106, 0.136) |
| | μ_2 | 1.735 | 1.766 (1.607, 1.935) | 1.754 (1.589, 1.903) | 1.794 (1.640, 1.940) | 1.898 (1.776, 2.025) | 1.729 (1.601, 1.850) |
| | τ_1^2 | 0.500 | 0.507 (0.300, 0.734) | 0.420 (0.271, 0.613) | 0.474 (0.298, 0.728) | 0.406 (0.258, 0.597) | 0.441 (0.314, 0.588) |
| | τ_2^2 | 0.500 | 0.409 (0.263, 0.578) | 0.401 (0.257, 0.605) | 0.383 (0.254, 0.537) | 0.349 (0.240, 0.481) | 0.433 (0.319, 0.576) |
| | τ_{12} | -0.150 | -0.074 (-0.213, 0.051) | -0.125 (-0.261, -0.008) | -0.060 (-0.185, 0.075) | -0.114 (-0.228, -0.008) | -0.143 (-0.239, -0.039) |
| | c_1^2 | 0.000 | 0.258 (0.017, 0.737) | | | | |
| | β | 0.500 | 1.629 (0.563, 2.000) | 0.596 (0.255, 1.562) | 0.486 (0.100, 1.366) | | |
| | $\alpha_{0.7}$ | -0.993 | -0.908 (-2.449, 0.336) | -1.096 (-2.634, -0.477) | -0.198 (-0.803, 0.264) | | |
| | CR | | 98.8 | 99.3 | 99.7 | 100 | 100 |
| 50 | SAUC | 0.620 | 0.547 (0.425, 0.656) | 0.624 (0.543, 0.685) | 0.529 (0.405, 0.640) | 0.629 (0.543, 0.693) | 0.622 (0.563, 0.674) |
| | μ_1 | 0.000 | -0.137 (-0.320, 0.024) | -0.003 (-0.109, 0.105) | -0.188 (-0.326, -0.052) | -0.037 (-0.141, 0.063) | -0.004 (-0.087, 0.080) |
| | μ_2 | 1.735 | 1.746 (1.622, 1.854) | 1.740 (1.619, 1.851) | 1.785 (1.689, 1.901) | 1.898 (1.813, 1.987) | 1.734 (1.657, 1.811) |
| | τ_1^2 | 0.500 | 0.529 (0.392, 0.678) | 0.469 (0.360, 0.593) | 0.529 (0.389, 0.687) | 0.461 (0.351, 0.580) | 0.474 (0.393, 0.578) |
| | τ_2^2 | 0.500 | 0.453 (0.350, 0.593) | 0.465 (0.350, 0.605) | 0.415 (0.329, 0.531) | 0.391 (0.309, 0.486) | 0.474 (0.377, 0.576) |
| | τ_{12} | -0.150 | -0.087 (-0.189, 0.015) | -0.142 (-0.237, -0.056) | -0.065 (-0.162, 0.033) | -0.121 (-0.202, -0.045) | -0.145 (-0.221, -0.074) |
| | c_1^2 | 0.000 | 0.118 (0.002, 0.583) | | | | |
| | β | 0.500 | 0.891 (0.525, 1.619) | 0.569 (0.328, 0.935) | 0.454 (0.158, 0.860) | | |
| | $\alpha_{0.7}$ | -0.993 | -1.021 (-1.874, -0.078) | -1.101 (-1.749, -0.615) | -0.196 (-0.524, 0.168) | | |
| | CR | | 99.4 | 99.4 | 99.9 | 100 | 100 |
| 200 | SAUC | 0.620 | 0.595 (0.540, 0.635) | 0.621 (0.584, 0.653) | 0.550 (0.489, 0.603) | 0.626 (0.587, 0.659) | 0.620 (0.591, 0.646) |
| | μ_1 | 0.000 | -0.045 (-0.132, 0.019) | 0.000 (-0.054, 0.051) | -0.171 (-0.236, -0.102) | -0.038 (-0.089, 0.010) | -0.000 (-0.045, 0.041) |
| | μ_2 | 1.735 | 1.743 (1.686, 1.803) | 1.742 (1.687, 1.796) | 1.818 (1.758, 1.869) | 1.908 (1.862, 1.956) | 1.735 (1.694, 1.781) |
| | τ_1^2 | 0.500 | 0.505 (0.445, 0.574) | 0.491 (0.437, 0.550) | 0.534 (0.473, 0.609) | 0.484 (0.433, 0.544) | 0.494 (0.449, 0.544) |
| | τ_2^2 | 0.500 | 0.478 (0.422, 0.554) | 0.487 (0.425, 0.559) | 0.427 (0.384, 0.478) | 0.412 (0.370, 0.458) | 0.495 (0.448, 0.547) |
| | τ_{12} | -0.150 | -0.123 (-0.179, -0.069) | -0.148 (-0.198, -0.100) | -0.086 (-0.135, -0.037) | -0.129 (-0.170, -0.087) | -0.148 (-0.192, -0.110) |
| | c_1^2 | 0.000 | 0.014 (0.000, 0.105) | | | | |
| | β | 0.500 | 0.570 (0.454, 0.701) | 0.521 (0.406, 0.653) | 0.371 (0.222, 0.524) | | |
| | $\alpha_{0.7}$ | -0.993 | -1.016 (-1.284, -0.748) | -1.019 (-1.272, -0.802) | -0.175 (-0.346, 0.038) | | |
| | CR | | 99.6 | 99.8 | 99.5 | 100 | 100 |

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

| S_P | Par | True | Proposed ($\tilde{c}_1^2, \tilde{c}_2^2$) | Proposed ($c_1^2 = 0$) | Proposed ($c_1^2 = c_2^2$) | Reitsma _O | Reitsma _P |
|-------|----------------|--------|---|--------------------------|------------------------------|-------------------------|-------------------------|
| 25 | SAUC | 0.702 | 0.683 (0.567, 0.754) | 0.709 (0.633, 0.762) | 0.678 (0.530, 0.754) | 0.715 (0.640, 0.770) | 0.708 (0.651, 0.751) |
| | μ_1 | 0.000 | -0.161 (-0.373, 0.034) | -0.003 (-0.156, 0.165) | -0.180 (-0.349, -0.007) | -0.066 (-0.213, 0.073) | 0.001 (-0.119, 0.125) |
| | μ_2 | 1.735 | 1.802 (1.651, 1.963) | 1.752 (1.584, 1.908) | 1.822 (1.682, 1.969) | 1.899 (1.770, 2.037) | 1.736 (1.608, 1.854) |
| | τ_1^2 | 0.500 | 0.482 (0.318, 0.692) | 0.433 (0.291, 0.616) | 0.452 (0.299, 0.656) | 0.408 (0.274, 0.571) | 0.458 (0.332, 0.596) |
| | τ_2^2 | 0.500 | 0.396 (0.275, 0.572) | 0.416 (0.270, 0.631) | 0.372 (0.258, 0.514) | 0.362 (0.250, 0.489) | 0.448 (0.326, 0.584) |
| | τ_{12} | -0.300 | -0.231 (-0.372, -0.092) | -0.263 (-0.408, -0.136) | -0.198 (-0.328, -0.071) | -0.230 (-0.346, -0.123) | -0.277 (-0.390, -0.171) |
| | c_1^2 | 0.000 | 0.216 (0.002, 0.744) | | | | |
| | β | 0.500 | 1.448 (0.576, 2.000) | 0.641 (0.244, 1.631) | 0.469 (0.076, 1.199) | | |
| | $\alpha_{0.7}$ | -0.996 | -1.017 (-2.507, 0.249) | -1.235 (-2.583, -0.425) | -0.274 (-0.882, 0.256) | | |
| | CR | | 99.3 | 99.5 | 99.9 | 100 | 100 |
| 50 | SAUC | 0.702 | 0.682 (0.609, 0.734) | 0.706 (0.656, 0.746) | 0.678 (0.593, 0.733) | 0.712 (0.662, 0.752) | 0.703 (0.668, 0.735) |
| | μ_1 | 0.000 | -0.120 (-0.302, 0.032) | 0.005 (-0.111, 0.119) | -0.162 (-0.296, -0.052) | -0.070 (-0.176, 0.030) | 0.006 (-0.079, 0.089) |
| | μ_2 | 1.735 | 1.775 (1.654, 1.903) | 1.738 (1.614, 1.849) | 1.828 (1.733, 1.932) | 1.896 (1.803, 1.986) | 1.731 (1.648, 1.813) |
| | τ_1^2 | 0.500 | 0.502 (0.385, 0.648) | 0.466 (0.354, 0.599) | 0.471 (0.357, 0.618) | 0.437 (0.338, 0.564) | 0.461 (0.377, 0.566) |
| | τ_2^2 | 0.500 | 0.440 (0.347, 0.559) | 0.461 (0.358, 0.601) | 0.398 (0.319, 0.498) | 0.392 (0.316, 0.479) | 0.477 (0.390, 0.575) |
| | τ_{12} | -0.300 | -0.254 (-0.359, -0.164) | -0.280 (-0.390, -0.197) | -0.219 (-0.308, -0.130) | -0.246 (-0.326, -0.172) | -0.291 (-0.364, -0.219) |
| | c_1^2 | 0.000 | 0.109 (0.000, 0.582) | | | | |
| | β | 0.500 | 0.800 (0.456, 1.513) | 0.543 (0.291, 0.908) | 0.365 (0.109, 0.694) | | |
| | $\alpha_{0.7}$ | -0.996 | -0.960 (-1.807, -0.030) | -1.063 (-1.742, -0.553) | -0.205 (-0.592, 0.224) | | |
| | CR | | 99.2 | 99.6 | 99.4 | 100 | 100 |
| 200 | SAUC | 0.702 | 0.695 (0.662, 0.716) | 0.705 (0.682, 0.723) | 0.676 (0.645, 0.706) | 0.713 (0.689, 0.730) | 0.703 (0.687, 0.719) |
| | μ_1 | 0.000 | -0.038 (-0.111, 0.033) | 0.001 (-0.052, 0.060) | -0.163 (-0.229, -0.102) | -0.071 (-0.122, -0.020) | 0.002 (-0.041, 0.046) |
| | μ_2 | 1.735 | 1.753 (1.699, 1.814) | 1.740 (1.688, 1.794) | 1.842 (1.798, 1.889) | 1.905 (1.863, 1.947) | 1.739 (1.702, 1.777) |
| | τ_1^2 | 0.500 | 0.494 (0.435, 0.558) | 0.494 (0.436, 0.551) | 0.500 (0.434, 0.562) | 0.476 (0.417, 0.530) | 0.494 (0.449, 0.545) |
| | τ_2^2 | 0.500 | 0.472 (0.407, 0.540) | 0.486 (0.419, 0.557) | 0.414 (0.368, 0.465) | 0.412 (0.366, 0.461) | 0.489 (0.444, 0.539) |
| | τ_{12} | -0.300 | -0.272 (-0.330, -0.221) | -0.292 (-0.349, -0.243) | -0.234 (-0.276, -0.189) | -0.254 (-0.297, -0.213) | -0.298 (-0.336, -0.254) |
| | c_1^2 | 0.000 | 0.011 (0.000, 0.099) | | | | |
| | β | 0.500 | 0.562 (0.437, 0.700) | 0.507 (0.385, 0.644) | 0.359 (0.222, 0.507) | | |
| | $\alpha_{0.7}$ | -0.996 | -1.019 (-1.301, -0.748) | -0.995 (-1.260, -0.773) | -0.199 (-0.401, 0.026) | | |
| | CR | | 99.6 | 99.8 | 99.5 | 100 | 100 |

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

| S_P | Par | True | Proposed ($\tilde{c}_1^2, \tilde{c}_2^2$) | Proposed ($c_1^2 = 0$) | Proposed ($c_1^2 = c_2^2$) | Reitsma _O | Reitsma _P |
|-------|----------------|--------|---|--------------------------|------------------------------|-------------------------|-------------------------|
| 25 | SAUC | 0.564 | 0.481 (0.365, 0.596) | 0.567 (0.467, 0.644) | 0.459 (0.351, 0.572) | 0.572 (0.467, 0.653) | 0.567 (0.513, 0.611) |
| | μ_1 | 0.000 | -0.269 (-0.569, -0.009) | -0.027 (-0.237, 0.176) | -0.287 (-0.533, -0.077) | -0.114 (-0.308, 0.054) | 0.003 (-0.149, 0.163) |
| | μ_2 | 1.735 | 2.052 (1.648, 2.469) | 1.904 (1.466, 2.323) | 2.150 (1.770, 2.502) | 2.585 (2.325, 2.850) | 1.740 (1.485, 2.005) |
| | τ_1^2 | 1.000 | 1.009 (0.712, 1.401) | 0.909 (0.644, 1.234) | 0.956 (0.663, 1.295) | 0.849 (0.607, 1.146) | 0.908 (0.702, 1.197) |
| | τ_2^2 | 4.000 | 2.845 (1.928, 4.108) | 3.275 (2.156, 4.752) | 2.574 (1.797, 3.711) | 2.117 (1.526, 2.707) | 3.671 (2.963, 4.495) |
| | τ_{12} | -0.600 | -0.225 (-0.670, 0.196) | -0.467 (-0.951, -0.042) | -0.115 (-0.472, 0.277) | -0.336 (-0.610, -0.025) | -0.553 (-0.881, -0.251) |
| | c_1^2 | 0.000 | 0.230 (0.002, 0.729) | | | | |
| | β | 0.500 | 2.000 (0.517, 2.000) | 0.674 (0.246, 2.000) | 0.467 (0.100, 2.000) | | |
| | $\alpha_{0.7}$ | -0.432 | -0.152 (-1.012, 0.666) | -0.404 (-1.121, 0.001) | 0.161 (-0.232, 0.479) | | |
| | CR | | 99.7 | 99.8 | 99.8 | 100 | 100 |
| 50 | SAUC | 0.564 | 0.499 (0.415, 0.579) | 0.561 (0.497, 0.623) | 0.465 (0.378, 0.555) | 0.566 (0.498, 0.631) | 0.564 (0.529, 0.597) |
| | μ_1 | 0.000 | -0.192 (-0.409, 0.009) | -0.014 (-0.164, 0.139) | -0.278 (-0.452, -0.117) | -0.123 (-0.248, 0.012) | 0.005 (-0.114, 0.111) |
| | μ_2 | 1.735 | 1.913 (1.597, 2.267) | 1.800 (1.479, 2.151) | 2.197 (1.860, 2.516) | 2.599 (2.414, 2.789) | 1.752 (1.539, 1.935) |
| | τ_1^2 | 1.000 | 1.010 (0.770, 1.280) | 0.939 (0.726, 1.174) | 0.976 (0.761, 1.250) | 0.903 (0.705, 1.115) | 0.947 (0.776, 1.133) |
| | τ_2^2 | 4.000 | 3.337 (2.385, 4.502) | 3.704 (2.732, 4.828) | 2.653 (2.110, 3.506) | 2.236 (1.838, 2.659) | 3.910 (3.326, 4.469) |
| | τ_{12} | -0.600 | -0.317 (-0.664, 0.062) | -0.517 (-0.899, -0.227) | -0.140 (-0.410, 0.141) | -0.332 (-0.564, -0.143) | -0.559 (-0.817, -0.346) |
| | c_1^2 | 0.000 | 0.073 (0.000, 0.528) | | | | |
| | β | 0.500 | 0.770 (0.423, 2.000) | 0.596 (0.320, 1.197) | 0.380 (0.074, 0.754) | | |
| | $\alpha_{0.7}$ | -0.432 | -0.247 (-0.708, 0.261) | -0.397 (-0.772, -0.129) | 0.128 (-0.144, 0.386) | | |
| | CR | | 99.6 | 99.3 | 99.6 | 100 | 100 |
| 200 | SAUC | 0.564 | 0.548 (0.503, 0.583) | 0.566 (0.533, 0.594) | 0.492 (0.422, 0.552) | 0.573 (0.539, 0.603) | 0.563 (0.547, 0.582) |
| | μ_1 | 0.000 | -0.047 (-0.142, 0.043) | -0.004 (-0.078, 0.072) | -0.251 (-0.362, -0.155) | -0.118 (-0.185, -0.053) | -0.001 (-0.057, 0.053) |
| | μ_2 | 1.735 | 1.765 (1.574, 1.957) | 1.749 (1.567, 1.935) | 2.246 (2.010, 2.496) | 2.594 (2.496, 2.685) | 1.733 (1.633, 1.837) |
| | τ_1^2 | 1.000 | 0.992 (0.881, 1.111) | 0.986 (0.880, 1.101) | 1.009 (0.898, 1.130) | 0.950 (0.852, 1.057) | 0.986 (0.900, 1.079) |
| | τ_2^2 | 4.000 | 3.915 (3.291, 4.507) | 3.931 (3.393, 4.508) | 2.616 (2.285, 3.089) | 2.313 (2.099, 2.522) | 3.948 (3.665, 4.249) |
| | τ_{12} | -0.600 | -0.503 (-0.719, -0.311) | -0.586 (-0.771, -0.397) | -0.218 (-0.385, -0.033) | -0.367 (-0.477, -0.256) | -0.593 (-0.717, -0.479) |
| | c_1^2 | 0.000 | 0.000 (0.000, 0.029) | | | | |
| | β | 0.500 | 0.559 (0.436, 0.726) | 0.521 (0.411, 0.676) | 0.286 (0.040, 0.485) | | |
| | $\alpha_{0.7}$ | -0.432 | -0.414 (-0.549, -0.275) | -0.425 (-0.546, -0.307) | 0.055 (-0.076, 0.367) | | |
| | CR | | 99.1 | 99.7 | 99.3 | 100 | 100 |

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

| S_P | Par | True | Proposed ($\tilde{c}_1^2, \tilde{c}_2^2$) | Proposed ($c_1^2 = 0$) | Proposed ($c_1^2 = c_2^2$) | Reitsma _O | Reitsma _P |
|-------|----------------|--------|---|--------------------------|------------------------------|-------------------------|-------------------------|
| 25 | SAUC | 0.620 | 0.551 (0.455, 0.642) | 0.619 (0.546, 0.687) | 0.538 (0.440, 0.634) | 0.628 (0.552, 0.698) | 0.620 (0.579, 0.657) |
| | μ_1 | 0.000 | -0.354 (-0.637, -0.055) | -0.077 (-0.270, 0.132) | -0.339 (-0.529, -0.132) | -0.244 (-0.421, -0.070) | -0.006 (-0.151, 0.150) |
| | μ_2 | 1.735 | 2.139 (1.720, 2.528) | 1.919 (1.467, 2.321) | 2.183 (1.786, 2.548) | 2.594 (2.314, 2.869) | 1.743 (1.451, 2.020) |
| | τ_1^2 | 1.000 | 0.892 (0.626, 1.262) | 0.849 (0.595, 1.200) | 0.782 (0.552, 1.077) | 0.749 (0.528, 1.002) | 0.916 (0.684, 1.151) |
| | τ_2^2 | 4.000 | 2.763 (1.945, 3.828) | 3.263 (2.202, 4.785) | 2.547 (1.822, 3.644) | 2.082 (1.572, 2.772) | 3.746 (2.982, 4.614) |
| | τ_{12} | -1.200 | -0.690 (-1.116, -0.288) | -0.935 (-1.502, -0.507) | -0.556 (-0.915, -0.202) | -0.652 (-0.976, -0.364) | -1.133 (-1.507, -0.779) |
| | c_1^2 | 0.000 | 0.370 (0.013, 0.810) | | | | |
| | β | 0.500 | 2.000 (0.611, 2.000) | 0.669 (0.261, 2.000) | 0.541 (0.125, 1.927) | | |
| | $\alpha_{0.7}$ | -0.438 | -0.219 (-1.222, 0.661) | -0.469 (-1.232, -0.016) | -0.021 (-0.483, 0.363) | | |
| | CR | | 99.7 | 100 | 99.8 | 99.9 | 100 |
| 50 | SAUC | 0.620 | 0.567 (0.474, 0.628) | 0.619 (0.568, 0.666) | 0.540 (0.459, 0.624) | 0.630 (0.577, 0.677) | 0.619 (0.589, 0.646) |
| | μ_1 | 0.000 | -0.237 (-0.534, -0.024) | -0.046 (-0.191, 0.105) | -0.339 (-0.477, -0.192) | -0.247 (-0.374, -0.123) | 0.001 (-0.121, 0.100) |
| | μ_2 | 1.735 | 1.970 (1.613, 2.336) | 1.810 (1.508, 2.163) | 2.208 (1.895, 2.486) | 2.589 (2.419, 2.774) | 1.732 (1.528, 1.926) |
| | τ_1^2 | 1.000 | 0.954 (0.709, 1.206) | 0.929 (0.705, 1.162) | 0.838 (0.662, 1.048) | 0.809 (0.640, 1.015) | 0.962 (0.819, 1.124) |
| | τ_2^2 | 4.000 | 3.192 (2.318, 4.305) | 3.573 (2.667, 4.749) | 2.673 (2.084, 3.338) | 2.194 (1.814, 2.653) | 3.890 (3.331, 4.430) |
| | τ_{12} | -1.200 | -0.796 (-1.219, -0.451) | -1.066 (-1.488, -0.716) | -0.590 (-0.829, -0.325) | -0.702 (-0.908, -0.489) | -1.159 (-1.422, -0.941) |
| | c_1^2 | 0.000 | 0.125 (0.000, 0.676) | | | | |
| | β | 0.500 | 0.949 (0.488, 2.000) | 0.571 (0.311, 1.224) | 0.414 (0.094, 0.897) | | |
| | $\alpha_{0.7}$ | -0.438 | -0.279 (-0.831, 0.365) | -0.426 (-0.767, -0.104) | -0.019 (-0.317, 0.291) | | |
| | CR | | 99.7 | 99.7 | 99.9 | 100 | 100 |
| 200 | SAUC | 0.620 | 0.603 (0.566, 0.630) | 0.619 (0.595, 0.642) | 0.563 (0.510, 0.609) | 0.630 (0.606, 0.654) | 0.618 (0.605, 0.632) |
| | μ_1 | 0.000 | -0.066 (-0.182, 0.031) | -0.016 (-0.096, 0.069) | -0.317 (-0.390, -0.243) | -0.243 (-0.300, -0.180) | -0.006 (-0.055, 0.047) |
| | μ_2 | 1.735 | 1.787 (1.595, 2.025) | 1.748 (1.575, 1.940) | 2.268 (2.068, 2.464) | 2.589 (2.495, 2.689) | 1.742 (1.640, 1.837) |
| | τ_1^2 | 1.000 | 0.962 (0.844, 1.085) | 0.974 (0.866, 1.104) | 0.868 (0.777, 0.967) | 0.849 (0.761, 0.950) | 0.976 (0.893, 1.065) |
| | τ_2^2 | 4.000 | 3.764 (3.036, 4.462) | 3.858 (3.297, 4.492) | 2.573 (2.275, 2.989) | 2.282 (2.067, 2.536) | 3.913 (3.610, 4.240) |
| | τ_{12} | -1.200 | -1.044 (-1.293, -0.805) | -1.160 (-1.380, -0.940) | -0.642 (-0.769, -0.518) | -0.723 (-0.828, -0.607) | -1.165 (-1.304, -1.055) |
| | c_1^2 | 0.000 | 0.002 (0.000, 0.058) | | | | |
| | β | 0.500 | 0.566 (0.429, 0.734) | 0.526 (0.399, 0.659) | 0.329 (0.108, 0.517) | | |
| | $\alpha_{0.7}$ | -0.438 | -0.430 (-0.581, -0.269) | -0.427 (-0.549, -0.314) | -0.077 (-0.216, 0.209) | | |
| | CR | | 99.5 | 99.9 | 99.7 | 100 | 99.9 |

Table 5: Estimates of the parameters when $c_1^2 = 0, c_2^2 = 1$

| S_P | Par | True | Proposed ($\tilde{c}_1^2, \tilde{c}_2^2$) | Proposed ($c_1^2 = 0$) | Proposed ($c_1^2 = c_2^2$) | Reitsma _O | Reitsma _P |
|-------|----------------|--------|---|--------------------------|------------------------------|-------------------------|-------------------------|
| 25 | SAUC | 0.828 | 0.796 (0.718, 0.853) | 0.825 (0.775, 0.865) | 0.782 (0.695, 0.843) | 0.829 (0.775, 0.870) | 0.826 (0.799, 0.850) |
| | μ_1 | 1.386 | 1.169 (0.876, 1.422) | 1.352 (1.157, 1.563) | 1.115 (0.888, 1.334) | 1.256 (1.082, 1.436) | 1.385 (1.218, 1.541) |
| | μ_2 | 1.386 | 1.771 (1.356, 2.171) | 1.555 (1.135, 1.974) | 1.904 (1.527, 2.236) | 2.252 (1.988, 2.523) | 1.392 (1.119, 1.687) |
| | τ_1^2 | 1.000 | 0.997 (0.663, 1.376) | 0.886 (0.609, 1.242) | 0.912 (0.612, 1.265) | 0.818 (0.566, 1.150) | 0.915 (0.670, 1.158) |
| | τ_2^2 | 4.000 | 2.737 (1.842, 4.163) | 3.293 (2.185, 4.758) | 2.376 (1.665, 3.447) | 2.023 (1.475, 2.627) | 3.659 (2.932, 4.595) |
| | τ_{12} | -0.600 | -0.318 (-0.780, 0.108) | -0.451 (-0.936, -0.040) | -0.157 (-0.541, 0.214) | -0.313 (-0.634, -0.032) | -0.532 (-0.875, -0.255) |
| | c_1^2 | 0.000 | 0.163 (0.000, 0.779) | | | | |
| | β | 0.500 | 2.000 (0.428, 2.000) | 0.726 (0.245, 2.000) | 0.346 (0.072, 1.197) | | |
| | $\alpha_{0.7}$ | -0.113 | -0.369 (-1.485, 0.262) | -0.040 (-0.497, 0.377) | -0.363 (-1.254, 0.180) | | |
| | CR | | 99.8 | 99.6 | 99.8 | 100 | 99.8 |
| 50 | SAUC | 0.828 | 0.809 (0.753, 0.842) | 0.829 (0.795, 0.854) | 0.790 (0.723, 0.835) | 0.832 (0.797, 0.858) | 0.826 (0.808, 0.845) |
| | μ_1 | 1.386 | 1.229 (1.014, 1.428) | 1.362 (1.212, 1.526) | 1.132 (0.962, 1.283) | 1.260 (1.121, 1.388) | 1.376 (1.262, 1.504) |
| | μ_2 | 1.386 | 1.642 (1.256, 2.039) | 1.474 (1.116, 1.827) | 1.966 (1.657, 2.210) | 2.269 (2.089, 2.457) | 1.386 (1.182, 1.584) |
| | τ_1^2 | 1.000 | 0.997 (0.789, 1.288) | 0.943 (0.764, 1.167) | 0.980 (0.767, 1.208) | 0.910 (0.727, 1.105) | 0.958 (0.807, 1.141) |
| | τ_2^2 | 4.000 | 3.219 (2.241, 4.476) | 3.660 (2.693, 4.745) | 2.502 (1.947, 3.206) | 2.129 (1.766, 2.599) | 3.832 (3.310, 4.448) |
| | τ_{12} | -0.600 | -0.350 (-0.777, -0.041) | -0.516 (-0.923, -0.206) | -0.203 (-0.481, 0.103) | -0.335 (-0.568, -0.136) | -0.576 (-0.817, -0.347) |
| | c_1^2 | 0.000 | 0.011 (0.000, 0.504) | | | | |
| | β | 0.500 | 0.715 (0.369, 2.000) | 0.559 (0.305, 1.207) | 0.258 (0.064, 0.642) | | |
| | $\alpha_{0.7}$ | -0.113 | -0.218 (-0.747, 0.154) | -0.051 (-0.284, 0.244) | -0.284 (-0.786, 0.188) | | |
| | CR | | 99.8 | 99.8 | 99.4 | 100 | 100 |
| 200 | SAUC | 0.828 | 0.823 (0.803, 0.838) | 0.828 (0.812, 0.842) | 0.797 (0.761, 0.824) | 0.832 (0.815, 0.846) | 0.828 (0.819, 0.835) |
| | μ_1 | 1.386 | 1.356 (1.259, 1.440) | 1.383 (1.302, 1.459) | 1.149 (1.055, 1.240) | 1.263 (1.197, 1.328) | 1.383 (1.332, 1.436) |
| | μ_2 | 1.386 | 1.412 (1.237, 1.620) | 1.396 (1.226, 1.575) | 2.009 (1.831, 2.184) | 2.278 (2.184, 2.374) | 1.384 (1.296, 1.488) |
| | τ_1^2 | 1.000 | 0.990 (0.879, 1.118) | 0.987 (0.871, 1.108) | 1.000 (0.873, 1.121) | 0.952 (0.843, 1.054) | 0.994 (0.903, 1.080) |
| | τ_2^2 | 4.000 | 3.913 (3.295, 4.502) | 3.946 (3.409, 4.499) | 2.471 (2.199, 2.827) | 2.243 (2.023, 2.457) | 3.977 (3.668, 4.263) |
| | τ_{12} | -0.600 | -0.538 (-0.742, -0.338) | -0.579 (-0.770, -0.401) | -0.260 (-0.391, -0.119) | -0.347 (-0.464, -0.252) | -0.597 (-0.717, -0.473) |
| | c_1^2 | 0.000 | 0.000 (0.000, 0.004) | | | | |
| | β | 0.500 | 0.554 (0.420, 0.726) | 0.525 (0.411, 0.692) | 0.237 (0.061, 0.391) | | |
| | $\alpha_{0.7}$ | -0.113 | -0.141 (-0.292, -0.005) | -0.107 (-0.210, 0.020) | -0.270 (-0.574, 0.219) | | |
| | CR | | 99.3 | 99 | 99.6 | 99.9 | 99.9 |

Table 6: Estimates of the parameters when $c_1^2 = 0, c_2^2 = 1$

| S_P | Par | True | Proposed ($\tilde{c}_1^2, \tilde{c}_2^2$) | Proposed ($c_1^2 = 0$) | Proposed ($c_1^2 = c_2^2$) | Reitsma _O | Reitsma _P |
|-------|----------------|--------|---|--------------------------|------------------------------|-------------------------|-------------------------|
| 25 | SAUC | 0.846 | 0.829 (0.779, 0.862) | 0.843 (0.810, 0.871) | 0.816 (0.756, 0.859) | 0.850 (0.815, 0.877) | 0.845 (0.824, 0.864) |
| | μ_1 | 1.386 | 1.111 (0.826, 1.366) | 1.313 (1.124, 1.548) | 1.055 (0.857, 1.250) | 1.131 (0.961, 1.295) | 1.379 (1.208, 1.539) |
| | μ_2 | 1.386 | 1.866 (1.385, 2.260) | 1.545 (1.147, 1.979) | 1.963 (1.606, 2.280) | 2.276 (2.018, 2.516) | 1.395 (1.126, 1.668) |
| | τ_1^2 | 1.000 | 0.892 (0.623, 1.256) | 0.883 (0.589, 1.214) | 0.783 (0.539, 1.101) | 0.764 (0.514, 1.049) | 0.924 (0.704, 1.186) |
| | τ_2^2 | 4.000 | 2.631 (1.771, 4.057) | 3.387 (2.117, 4.673) | 2.257 (1.610, 3.277) | 1.965 (1.470, 2.663) | 3.669 (2.933, 4.505) |
| | τ_{12} | -1.200 | -0.741 (-1.226, -0.368) | -0.937 (-1.523, -0.548) | -0.582 (-0.906, -0.247) | -0.647 (-0.945, -0.360) | -1.101 (-1.493, -0.786) |
| | c_1^2 | 0.000 | 0.245 (0.000, 0.831) | | | | |
| | β | 0.500 | 2.000 (0.480, 2.000) | 0.710 (0.274, 2.000) | 0.376 (0.068, 1.094) | | |
| | $\alpha_{0.7}$ | -0.106 | -0.619 (-1.819, 0.133) | -0.038 (-0.496, 0.359) | -0.605 (-1.522, 0.210) | | |
| | CR | | 99.6 | 100 | 99.4 | 100 | 100 |
| 50 | SAUC | 0.846 | 0.837 (0.803, 0.860) | 0.849 (0.828, 0.868) | 0.829 (0.790, 0.858) | 0.854 (0.833, 0.873) | 0.847 (0.834, 0.859) |
| | μ_1 | 1.386 | 1.226 (0.983, 1.421) | 1.371 (1.207, 1.535) | 1.090 (0.955, 1.237) | 1.157 (1.031, 1.279) | 1.402 (1.289, 1.504) |
| | μ_2 | 1.386 | 1.663 (1.293, 2.086) | 1.448 (1.128, 1.804) | 1.997 (1.746, 2.238) | 2.266 (2.070, 2.447) | 1.372 (1.184, 1.566) |
| | τ_1^2 | 1.000 | 0.939 (0.729, 1.183) | 0.931 (0.733, 1.165) | 0.827 (0.658, 1.001) | 0.814 (0.648, 0.987) | 0.949 (0.788, 1.115) |
| | τ_2^2 | 4.000 | 3.193 (2.130, 4.417) | 3.676 (2.632, 4.846) | 2.400 (1.859, 3.062) | 2.159 (1.747, 2.629) | 3.868 (3.273, 4.496) |
| | τ_{12} | -1.200 | -0.896 (-1.332, -0.558) | -1.074 (-1.524, -0.726) | -0.625 (-0.871, -0.404) | -0.680 (-0.925, -0.496) | -1.156 (-1.392, -0.921) |
| | c_1^2 | 0.000 | 0.015 (0.000, 0.632) | | | | |
| | β | 0.500 | 0.778 (0.366, 2.000) | 0.575 (0.320, 1.159) | 0.249 (0.043, 0.636) | | |
| | $\alpha_{0.7}$ | -0.106 | -0.274 (-0.929, 0.193) | -0.025 (-0.303, 0.264) | -0.337 (-1.014, 0.261) | | |
| | CR | | 99.3 | 99.8 | 99.8 | 100 | 100 |
| 200 | SAUC | 0.846 | 0.843 (0.830, 0.853) | 0.846 (0.836, 0.855) | 0.834 (0.813, 0.849) | 0.852 (0.842, 0.862) | 0.846 (0.839, 0.852) |
| | μ_1 | 1.386 | 1.347 (1.240, 1.436) | 1.378 (1.300, 1.454) | 1.089 (1.020, 1.161) | 1.137 (1.076, 1.197) | 1.384 (1.326, 1.437) |
| | μ_2 | 1.386 | 1.431 (1.259, 1.657) | 1.394 (1.236, 1.574) | 2.087 (1.920, 2.234) | 2.282 (2.183, 2.370) | 1.390 (1.284, 1.482) |
| | τ_1^2 | 1.000 | 0.976 (0.869, 1.104) | 0.985 (0.878, 1.110) | 0.863 (0.770, 0.960) | 0.857 (0.764, 0.947) | 0.993 (0.902, 1.076) |
| | τ_2^2 | 4.000 | 3.877 (3.196, 4.505) | 3.982 (3.414, 4.553) | 2.402 (2.145, 2.696) | 2.254 (2.044, 2.472) | 3.991 (3.689, 4.280) |
| | τ_{12} | -1.200 | -1.111 (-1.363, -0.886) | -1.183 (-1.400, -0.974) | -0.673 (-0.794, -0.564) | -0.709 (-0.822, -0.607) | -1.197 (-1.323, -1.058) |
| | c_1^2 | 0.000 | 0.000 (0.000, 0.004) | | | | |
| | β | 0.500 | 0.548 (0.408, 0.714) | 0.529 (0.406, 0.687) | 0.190 (0.045, 0.366) | | |
| | $\alpha_{0.7}$ | -0.106 | -0.133 (-0.286, 0.017) | -0.095 (-0.207, 0.026) | -0.166 (-0.568, 0.305) | | |
| | CR | | 99.5 | 99.3 | 99.4 | 100 | 99.9 |

Table 7: Estimates of the parameters when $c_1^2 = 0, c_2^2 = 1$

| S_P | Par | True | Proposed ($\tilde{c}_1^2, \tilde{c}_2^2$) | Proposed ($c_1^2 = 0$) | Proposed ($c_1^2 = c_2^2$) | Reitsma _O | Reitsma _P |
|-------|----------------|--------|---|--------------------------|------------------------------|-------------------------|-------------------------|
| 25 | SAUC | 0.892 | 0.877 (0.849, 0.900) | 0.886 (0.867, 0.906) | 0.873 (0.846, 0.896) | 0.887 (0.868, 0.906) | 0.891 (0.873, 0.905) |
| | μ_1 | 2.197 | 2.038 (1.776, 2.279) | 2.167 (1.971, 2.390) | 1.960 (1.728, 2.170) | 2.072 (1.894, 2.266) | 2.211 (2.048, 2.351) |
| | μ_2 | -0.405 | -0.109 (-0.563, 0.400) | -0.222 (-0.668, 0.139) | 0.165 (-0.298, 0.523) | 0.508 (0.241, 0.817) | -0.406 (-0.681, -0.122) |
| | τ_1^2 | 1.000 | 0.936 (0.650, 1.301) | 0.884 (0.622, 1.177) | 0.901 (0.614, 1.248) | 0.839 (0.577, 1.132) | 0.920 (0.676, 1.165) |
| | τ_2^2 | 4.000 | 3.188 (2.069, 4.575) | 3.392 (2.310, 4.751) | 2.602 (1.755, 3.948) | 2.110 (1.519, 2.867) | 3.840 (2.979, 4.702) |
| | τ_{12} | -0.600 | -0.347 (-0.847, 0.068) | -0.470 (-0.988, -0.069) | -0.193 (-0.572, 0.203) | -0.343 (-0.671, -0.048) | -0.598 (-0.900, -0.241) |
| | c_1^2 | 0.000 | 0.012 (0.000, 0.729) | | | | |
| | β | 0.500 | 2.000 (0.519, 2.000) | 0.831 (0.320, 2.000) | 0.248 (0.044, 1.036) | | |
| | $\alpha_{0.7}$ | 1.727 | 1.320 (-0.313, 5.172) | 2.753 (0.954, 6.314) | 0.249 (-0.099, 0.532) | | |
| | CR | | 99.6 | 99.1 | 99.9 | 100 | 99.8 |
| 50 | SAUC | 0.892 | 0.884 (0.867, 0.899) | 0.890 (0.876, 0.902) | 0.878 (0.858, 0.894) | 0.892 (0.877, 0.904) | 0.891 (0.879, 0.902) |
| | μ_1 | 2.197 | 2.114 (1.905, 2.304) | 2.194 (2.041, 2.345) | 1.964 (1.797, 2.115) | 2.084 (1.949, 2.215) | 2.197 (2.085, 2.308) |
| | μ_2 | -0.405 | -0.310 (-0.663, 0.052) | -0.354 (-0.676, -0.090) | 0.180 (-0.191, 0.477) | 0.498 (0.308, 0.692) | -0.412 (-0.607, -0.229) |
| | τ_1^2 | 1.000 | 1.003 (0.786, 1.275) | 0.970 (0.767, 1.215) | 0.977 (0.777, 1.243) | 0.936 (0.741, 1.154) | 0.962 (0.814, 1.157) |
| | τ_2^2 | 4.000 | 3.689 (2.758, 4.749) | 3.783 (2.925, 4.761) | 2.703 (2.043, 3.679) | 2.271 (1.834, 2.843) | 3.861 (3.272, 4.436) |
| | τ_{12} | -0.600 | -0.433 (-0.822, -0.119) | -0.521 (-0.907, -0.211) | -0.231 (-0.509, 0.068) | -0.359 (-0.607, -0.149) | -0.561 (-0.807, -0.339) |
| | c_1^2 | 0.000 | 0.000 (0.000, 0.084) | | | | |
| | β | 0.500 | 0.891 (0.458, 2.000) | 0.662 (0.373, 2.000) | 0.151 (0.043, 0.592) | | |
| | $\alpha_{0.7}$ | 1.727 | 2.017 (0.716, 5.185) | 2.336 (1.231, 5.764) | 0.266 (0.025, 0.466) | | |
| | CR | | 99.8 | 99.5 | 99.9 | 100 | 100 |
| 200 | SAUC | 0.892 | 0.890 (0.884, 0.897) | 0.891 (0.885, 0.898) | 0.885 (0.874, 0.893) | 0.893 (0.886, 0.899) | 0.892 (0.886, 0.897) |
| | μ_1 | 2.197 | 2.182 (2.108, 2.261) | 2.191 (2.117, 2.267) | 2.016 (1.926, 2.100) | 2.078 (2.015, 2.147) | 2.197 (2.143, 2.254) |
| | μ_2 | -0.405 | -0.399 (-0.543, -0.256) | -0.386 (-0.532, -0.251) | 0.338 (0.147, 0.473) | 0.506 (0.405, 0.598) | -0.403 (-0.505, -0.305) |
| | τ_1^2 | 1.000 | 0.988 (0.890, 1.098) | 0.988 (0.890, 1.093) | 0.979 (0.883, 1.095) | 0.961 (0.867, 1.057) | 0.995 (0.908, 1.077) |
| | τ_2^2 | 4.000 | 3.989 (3.495, 4.506) | 3.940 (3.466, 4.423) | 2.546 (2.231, 2.961) | 2.408 (2.141, 2.666) | 3.956 (3.683, 4.264) |
| | τ_{12} | -0.600 | -0.572 (-0.751, -0.393) | -0.586 (-0.757, -0.404) | -0.326 (-0.463, -0.178) | -0.389 (-0.500, -0.272) | -0.578 (-0.708, -0.466) |
| | c_1^2 | 0.000 | 0.000 (0.000, 0.000) | | | | |
| | β | 0.500 | 0.544 (0.429, 0.702) | 0.522 (0.416, 0.659) | 0.072 (0.037, 0.203) | | |
| | $\alpha_{0.7}$ | 1.727 | 1.797 (1.403, 2.386) | 1.788 (1.402, 2.355) | 0.304 (0.115, 0.418) | | |
| | CR | | 99.6 | 99.6 | 99.8 | 100 | 99.8 |

Table 8: Estimates of the parameters when $c_1^2 = 0, c_2^2 = 1$

| S_P | Par | True | Proposed ($\tilde{c}_1^2, \tilde{c}_2^2$) | Proposed ($c_1^2 = 0$) | Proposed ($c_1^2 = c_2^2$) | Reitsma _O | Reitsma _P |
|-------|----------------|--------|---|--------------------------|------------------------------|-------------------------|-------------------------|
| 25 | SAUC | 0.877 | 0.866 (0.840, 0.887) | 0.874 (0.854, 0.893) | 0.863 (0.841, 0.884) | 0.876 (0.857, 0.895) | 0.876 (0.858, 0.893) |
| | μ_1 | 2.197 | 1.987 (1.708, 2.252) | 2.161 (1.950, 2.366) | 1.911 (1.705, 2.109) | 1.965 (1.774, 2.152) | 2.205 (2.045, 2.355) |
| | μ_2 | -0.405 | -0.065 (-0.541, 0.420) | -0.277 (-0.673, 0.095) | 0.134 (-0.302, 0.534) | 0.496 (0.224, 0.762) | -0.415 (-0.704, -0.124) |
| | τ_1^2 | 1.000 | 0.901 (0.593, 1.285) | 0.866 (0.587, 1.212) | 0.790 (0.548, 1.089) | 0.773 (0.531, 1.065) | 0.910 (0.676, 1.139) |
| | τ_2^2 | 4.000 | 3.174 (2.015, 4.583) | 3.454 (2.319, 4.904) | 2.685 (1.767, 3.981) | 2.201 (1.535, 2.973) | 3.708 (3.006, 4.656) |
| | τ_{12} | -1.200 | -0.860 (-1.364, -0.454) | -1.014 (-1.552, -0.600) | -0.630 (-1.037, -0.305) | -0.705 (-1.058, -0.417) | -1.132 (-1.508, -0.791) |
| | c_1^2 | 0.000 | 0.062 (0.000, 0.819) | | | | |
| | β | 0.500 | 2.000 (0.557, 2.000) | 0.995 (0.357, 2.000) | 0.252 (0.035, 1.372) | | |
| | $\alpha_{0.7}$ | 1.732 | 1.030 (-0.668, 5.073) | 2.975 (1.111, 6.555) | 0.201 (-0.217, 0.494) | | |
| | CR | | 99.9 | 99.7 | 99.8 | 100 | 100 |
| 50 | SAUC | 0.877 | 0.871 (0.854, 0.885) | 0.875 (0.863, 0.888) | 0.867 (0.851, 0.883) | 0.878 (0.866, 0.891) | 0.876 (0.865, 0.888) |
| | μ_1 | 2.197 | 2.090 (1.878, 2.258) | 2.175 (2.036, 2.327) | 1.907 (1.760, 2.047) | 1.957 (1.828, 2.081) | 2.191 (2.072, 2.302) |
| | μ_2 | -0.405 | -0.281 (-0.600, 0.120) | -0.347 (-0.617, -0.087) | 0.253 (-0.125, 0.501) | 0.500 (0.317, 0.694) | -0.388 (-0.585, -0.184) |
| | τ_1^2 | 1.000 | 0.940 (0.734, 1.199) | 0.922 (0.732, 1.170) | 0.840 (0.668, 1.052) | 0.823 (0.660, 1.020) | 0.942 (0.776, 1.137) |
| | τ_2^2 | 4.000 | 3.658 (2.693, 4.631) | 3.779 (2.911, 4.651) | 2.575 (1.963, 3.558) | 2.316 (1.832, 2.752) | 3.810 (3.322, 4.406) |
| | τ_{12} | -1.200 | -1.003 (-1.446, -0.668) | -1.111 (-1.513, -0.775) | -0.703 (-0.968, -0.439) | -0.744 (-0.995, -0.529) | -1.157 (-1.401, -0.918) |
| | c_1^2 | 0.000 | 0.000 (0.000, 0.359) | | | | |
| | β | 0.500 | 1.010 (0.482, 2.000) | 0.678 (0.384, 2.000) | 0.107 (0.028, 0.714) | | |
| | $\alpha_{0.7}$ | 1.732 | 1.936 (0.476, 5.032) | 2.285 (1.274, 5.629) | 0.293 (-0.012, 0.492) | | |
| | CR | | 99.7 | 99.9 | 99.7 | 100 | 99.9 |
| 200 | SAUC | 0.877 | 0.876 (0.869, 0.882) | 0.877 (0.870, 0.882) | 0.875 (0.867, 0.882) | 0.879 (0.873, 0.885) | 0.877 (0.871, 0.882) |
| | μ_1 | 2.197 | 2.184 (2.101, 2.255) | 2.193 (2.117, 2.262) | 1.938 (1.869, 2.000) | 1.958 (1.891, 2.018) | 2.196 (2.135, 2.249) |
| | μ_2 | -0.405 | -0.390 (-0.538, -0.247) | -0.390 (-0.529, -0.265) | 0.396 (0.277, 0.524) | 0.498 (0.397, 0.595) | -0.398 (-0.502, -0.301) |
| | τ_1^2 | 1.000 | 0.985 (0.878, 1.104) | 0.986 (0.880, 1.103) | 0.883 (0.791, 0.983) | 0.878 (0.791, 0.982) | 0.995 (0.907, 1.083) |
| | τ_2^2 | 4.000 | 3.961 (3.436, 4.492) | 3.958 (3.452, 4.464) | 2.485 (2.200, 2.821) | 2.409 (2.151, 2.702) | 3.962 (3.659, 4.259) |
| | τ_{12} | -1.200 | -1.177 (-1.394, -0.995) | -1.186 (-1.396, -1.010) | -0.776 (-0.900, -0.663) | -0.784 (-0.904, -0.678) | -1.197 (-1.338, -1.075) |
| | c_1^2 | 0.000 | 0.000 (0.000, 0.000) | | | | |
| | β | 0.500 | 0.537 (0.429, 0.727) | 0.522 (0.419, 0.689) | 0.045 (0.024, 0.087) | | |
| | $\alpha_{0.7}$ | 1.732 | 1.805 (1.372, 2.490) | 1.807 (1.405, 2.446) | 0.380 (0.271, 0.474) | | |
| | CR | | 99.3 | 99.7 | 99.8 | 100 | 99.9 |