

## Estimates of other parameters

t12

Yi

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### Load data

```
# s.rdt <- "../..scenario/scenario-t12/set-t12-c11.RData"
# dt <- "c11"

# s.rdt <- "../..scenario/scenario-t12/set-t12-c10.RData"
# dt <- "c10"

#
s.rdt <- "../..scenario/scenario-t12/set-t12-c01.RData"
dt <- "c01"
```

### Scenario 1

### Scenario 2

### Scenario 3

### Scenario 4

### Scenario 5

Table 1: Estimates of the parameters

$S$	Par	True	Proposed ( $\hat{c}_1^2, \hat{c}_2^2$ )	Proposed (correct)	Proposed (wrong)	Reitsma $_O$	Reitsma $_P$
25	$\mu_1$	0.000	-0.288 (-0.547, -0.003)	-0.041 (-0.243, 0.195)	-0.257 (-0.484, -0.040)	-0.111 (-0.289, 0.080)	0.016 (-0.135, 0.171)
	$\mu_2$	1.735	2.125 (1.712, 2.500)	1.932 (1.513, 2.336)	2.158 (1.786, 2.527)	2.569 (2.289, 2.833)	1.716 (1.442, 1.997)
	$\tau_1$	1.000	0.991 (0.814, 1.199)	0.941 (0.783, 1.105)	0.967 (0.791, 1.128)	0.916 (0.761, 1.075)	0.947 (0.825, 1.077)
	$\tau_2$	2.000	1.629 (1.338, 1.963)	1.784 (1.440, 2.134)	1.575 (1.311, 1.891)	1.430 (1.220, 1.626)	1.916 (1.707, 2.122)
	$\rho$	-0.300	-0.158 (-0.416, 0.106)	-0.302 (-0.544, -0.037)	-0.083 (-0.369, 0.148)	-0.254 (-0.484, -0.029)	-0.319 (-0.465, -0.151)
	$\beta$	0.500	1.825 (0.390, 2.000)	0.581 (0.210, 2.000)	0.403 (0.071, 1.441)		
	$\alpha$	-0.429	0.006 (-0.888, 0.738)	-0.343 (-1.118, 0.039)	0.135 (-0.251, 0.451)		
	$c_1$	0.000	0.601 (0.089, 0.908)				
50	$\mu_1$	0.000	-0.239 (-0.482, -0.032)	-0.021 (-0.172, 0.130)	-0.269 (-0.431, -0.112)	-0.121 (-0.257, 0.017)	-0.006 (-0.114, 0.118)
	$\mu_2$	1.735	2.024 (1.653, 2.389)	1.829 (1.484, 2.183)	2.224 (1.903, 2.495)	2.607 (2.405, 2.794)	1.746 (1.543, 1.946)
	$\tau_1$	1.000	1.026 (0.900, 1.147)	0.974 (0.864, 1.080)	0.993 (0.874, 1.110)	0.950 (0.846, 1.054)	0.970 (0.884, 1.056)
	$\tau_2$	2.000	1.756 (1.526, 2.036)	1.926 (1.614, 2.197)	1.642 (1.443, 1.873)	1.500 (1.347, 1.647)	1.983 (1.824, 2.129)
	$\rho$	-0.300	-0.168 (-0.345, 0.031)	-0.292 (-0.469, -0.109)	-0.105 (-0.289, 0.093)	-0.249 (-0.398, -0.093)	-0.311 (-0.411, -0.188)
	$\beta$	0.500	0.774 (0.412, 2.000)	0.602 (0.310, 1.279)	0.364 (0.068, 0.742)		
	$\alpha$	-0.429	-0.154 (-0.661, 0.515)	-0.411 (-0.798, -0.116)	0.129 (-0.157, 0.395)		
	$c_1$	0.000	0.404 (0.039, 0.875)				
200	$\mu_1$	0.000	-0.093 (-0.242, 0.013)	-0.003 (-0.077, 0.070)	-0.251 (-0.345, -0.153)	-0.118 (-0.185, -0.051)	0.007 (-0.051, 0.059)
	$\mu_2$	1.735	1.852 (1.651, 2.165)	1.763 (1.586, 1.928)	2.263 (2.054, 2.475)	2.598 (2.497, 2.691)	1.733 (1.634, 1.835)
	$\tau_1$	1.000	1.002 (0.945, 1.062)	0.989 (0.936, 1.045)	0.999 (0.942, 1.058)	0.973 (0.920, 1.022)	0.993 (0.948, 1.037)
	$\tau_2$	2.000	1.896 (1.665, 2.062)	1.976 (1.834, 2.113)	1.602 (1.509, 1.735)	1.516 (1.446, 1.586)	1.990 (1.915, 2.062)
	$\rho$	-0.300	-0.231 (-0.329, -0.131)	-0.299 (-0.382, -0.211)	-0.138 (-0.234, -0.050)	-0.246 (-0.314, -0.175)	-0.302 (-0.359, -0.245)
	$\beta$	0.500	0.506 (0.374, 0.687)	0.509 (0.405, 0.663)	0.266 (0.056, 0.423)		
	$\alpha$	-0.429	-0.354 (-0.528, 0.009)	-0.412 (-0.555, -0.309)	0.050 (-0.079, 0.331)		
	$c_1$	0.000	0.092 (0.000, 0.596)				

Table 2: Estimates of the parameters

$S$	Par	True	Proposed ( $\hat{c}_1^2, \hat{c}_2^2$ )	Proposed (correct)	Proposed (wrong)	Reitsma $_O$	Reitsma $_P$
25	$\mu_1$	0.000	-0.378 (-0.655, -0.095)	-0.064 (-0.277, 0.148)	-0.319 (-0.514, -0.121)	-0.240 (-0.411, -0.050)	0.004 (-0.150, 0.163)
	$\mu_2$	1.735	2.205 (1.804, 2.585)	1.949 (1.497, 2.357)	2.222 (1.852, 2.555)	2.571 (2.316, 2.853)	1.740 (1.425, 2.012)
	$\tau_1$	1.000	0.955 (0.791, 1.143)	0.919 (0.762, 1.088)	0.889 (0.740, 1.042)	0.867 (0.722, 1.015)	0.960 (0.839, 1.081)
	$\tau_2$	2.000	1.617 (1.381, 1.906)	1.783 (1.467, 2.091)	1.573 (1.341, 1.868)	1.434 (1.259, 1.649)	1.923 (1.712, 2.132)
	$\rho$	-0.600	-0.478 (-0.682, -0.225)	-0.596 (-0.780, -0.403)	-0.435 (-0.653, -0.175)	-0.538 (-0.728, -0.353)	-0.631 (-0.731, -0.486)
	$\beta$	0.500	2.000 (0.491, 2.000)	0.589 (0.200, 2.000)	0.452 (0.071, 1.476)		
	$\alpha$	-0.433	0.017 (-0.914, 0.838)	-0.372 (-1.087, 0.038)	0.024 (-0.418, 0.378)		
	$c_1$	0.000	0.682 (0.161, 0.933)				
50	$\mu_1$	0.000	-0.293 (-0.578, -0.080)	-0.053 (-0.216, 0.107)	-0.317 (-0.460, -0.187)	-0.245 (-0.373, -0.107)	-0.011 (-0.121, 0.112)
	$\mu_2$	1.735	2.109 (1.744, 2.489)	1.865 (1.523, 2.210)	2.228 (1.917, 2.519)	2.598 (2.402, 2.791)	1.736 (1.556, 1.953)
	$\tau_1$	1.000	0.986 (0.856, 1.114)	0.960 (0.849, 1.074)	0.912 (0.815, 1.026)	0.901 (0.806, 1.005)	0.977 (0.896, 1.066)
	$\tau_2$	2.000	1.677 (1.474, 1.960)	1.870 (1.612, 2.176)	1.605 (1.426, 1.818)	1.480 (1.342, 1.647)	1.967 (1.819, 2.110)
	$\rho$	-0.600	-0.472 (-0.619, -0.303)	-0.602 (-0.718, -0.468)	-0.429 (-0.581, -0.249)	-0.535 (-0.648, -0.406)	-0.609 (-0.685, -0.535)
	$\beta$	0.500	0.822 (0.420, 2.000)	0.522 (0.280, 1.083)	0.395 (0.099, 0.810)		
	$\alpha$	-0.433	-0.145 (-0.714, 0.528)	-0.381 (-0.761, -0.108)	-0.018 (-0.314, 0.294)		
	$c_1$	0.000	0.581 (0.078, 0.905)				
200	$\mu_1$	0.000	-0.123 (-0.393, 0.007)	-0.007 (-0.083, 0.078)	-0.309 (-0.386, -0.241)	-0.237 (-0.297, -0.174)	-0.000 (-0.052, 0.055)
	$\mu_2$	1.735	1.903 (1.648, 2.382)	1.744 (1.560, 1.925)	2.261 (2.063, 2.468)	2.587 (2.500, 2.680)	1.728 (1.631, 1.836)
	$\tau_1$	1.000	0.982 (0.925, 1.047)	0.986 (0.935, 1.048)	0.931 (0.884, 0.979)	0.921 (0.875, 0.969)	0.991 (0.953, 1.034)
	$\tau_2$	2.000	1.861 (1.597, 2.064)	1.997 (1.850, 2.125)	1.620 (1.511, 1.749)	1.518 (1.453, 1.592)	1.989 (1.918, 2.060)
	$\rho$	-0.600	-0.532 (-0.608, -0.444)	-0.599 (-0.659, -0.539)	-0.430 (-0.520, -0.339)	-0.516 (-0.572, -0.461)	-0.603 (-0.639, -0.561)
	$\beta$	0.500	0.535 (0.375, 0.701)	0.520 (0.410, 0.679)	0.319 (0.088, 0.523)		
	$\alpha$	-0.433	-0.328 (-0.530, 0.250)	-0.414 (-0.539, -0.303)	-0.072 (-0.205, 0.254)		
	$c_1$	0.000	0.141 (0.000, 0.859)				

Table 3: Estimates of the parameters

$S$	Par	True	Proposed ( $\hat{c}_1^2, \hat{c}_2^2$ )	Proposed (correct)	Proposed (wrong)	Reitsma $_O$	Reitsma $_P$
25	$\mu_1$	1.386	1.142 (0.846, 1.391)	1.355 (1.139, 1.562)	1.127 (0.878, 1.331)	1.265 (1.078, 1.446)	1.389 (1.237, 1.549)
	$\mu_2$	1.386	1.893 (1.459, 2.274)	1.593 (1.176, 2.002)	1.960 (1.595, 2.256)	2.277 (2.009, 2.526)	1.392 (1.136, 1.657)
	$\tau_1$	1.000	0.995 (0.828, 1.189)	0.953 (0.806, 1.106)	0.960 (0.809, 1.139)	0.922 (0.783, 1.071)	0.953 (0.838, 1.094)
	$\tau_2$	2.000	1.600 (1.339, 1.913)	1.775 (1.448, 2.118)	1.533 (1.295, 1.817)	1.417 (1.219, 1.629)	1.916 (1.721, 2.120)
	$\rho$	-0.300	-0.209 (-0.474, 0.097)	-0.314 (-0.542, -0.022)	-0.139 (-0.403, 0.154)	-0.266 (-0.475, -0.019)	-0.312 (-0.464, -0.146)
	$\beta$	0.500	1.164 (0.305, 2.000)	0.565 (0.205, 2.000)	0.302 (0.061, 1.184)		
	$\alpha$	-0.111	-0.381 (-1.497, 0.211)	-0.027 (-0.456, 0.315)	-0.315 (-1.212, 0.192)		
	$c_1$	0.000	0.581 (0.046, 0.940)				
50	$\mu_1$	1.386	1.201 (0.900, 1.390)	1.375 (1.227, 1.530)	1.142 (0.979, 1.291)	1.275 (1.142, 1.401)	1.389 (1.278, 1.499)
	$\mu_2$	1.386	1.819 (1.392, 2.174)	1.488 (1.149, 1.851)	1.949 (1.639, 2.233)	2.264 (2.067, 2.470)	1.384 (1.182, 1.577)
	$\tau_1$	1.000	1.021 (0.893, 1.174)	0.979 (0.867, 1.092)	0.990 (0.872, 1.112)	0.949 (0.846, 1.066)	0.977 (0.886, 1.068)
	$\tau_2$	2.000	1.699 (1.461, 2.007)	1.909 (1.617, 2.166)	1.579 (1.393, 1.787)	1.468 (1.317, 1.621)	1.978 (1.825, 2.115)
	$\rho$	-0.300	-0.229 (-0.411, -0.017)	-0.310 (-0.473, -0.128)	-0.159 (-0.339, 0.070)	-0.257 (-0.399, -0.104)	-0.309 (-0.422, -0.189)
	$\beta$	0.500	0.709 (0.303, 2.000)	0.545 (0.263, 1.357)	0.262 (0.056, 0.665)		
	$\alpha$	-0.111	-0.213 (-0.816, 0.230)	-0.045 (-0.282, 0.253)	-0.321 (-0.852, 0.226)		
	$c_1$	0.000	0.413 (0.000, 0.933)				
200	$\mu_1$	1.386	1.320 (1.176, 1.415)	1.383 (1.308, 1.461)	1.162 (1.061, 1.240)	1.268 (1.199, 1.333)	1.387 (1.331, 1.441)
	$\mu_2$	1.386	1.512 (1.281, 1.956)	1.388 (1.222, 1.560)	2.004 (1.824, 2.163)	2.264 (2.172, 2.359)	1.383 (1.278, 1.485)
	$\tau_1$	1.000	1.008 (0.945, 1.073)	0.994 (0.939, 1.051)	0.996 (0.943, 1.054)	0.975 (0.926, 1.030)	0.996 (0.952, 1.041)
	$\tau_2$	2.000	1.900 (1.618, 2.074)	1.992 (1.841, 2.134)	1.574 (1.479, 1.683)	1.502 (1.424, 1.572)	1.994 (1.913, 2.066)
	$\rho$	-0.300	-0.260 (-0.344, -0.165)	-0.302 (-0.374, -0.221)	-0.172 (-0.257, -0.070)	-0.246 (-0.312, -0.179)	-0.301 (-0.357, -0.246)
	$\beta$	0.500	0.507 (0.360, 0.661)	0.520 (0.403, 0.664)	0.218 (0.066, 0.389)		
	$\alpha$	-0.111	-0.116 (-0.273, 0.060)	-0.080 (-0.199, 0.047)	-0.236 (-0.542, 0.228)		
	$c_1$	0.000	0.025 (0.000, 0.583)				

Table 4: Estimates of the parameters

$S$	Par	True	Proposed ( $\hat{c}_1^2, \hat{c}_2^2$ )	Proposed (correct)	Proposed (wrong)	Reitsma $_O$	Reitsma $_P$
25	$\mu_1$	1.386	1.066 (0.782, 1.314)	1.299 (1.102, 1.515)	1.062 (0.876, 1.255)	1.135 (0.955, 1.312)	1.381 (1.236, 1.537)
	$\mu_2$	1.386	1.955 (1.548, 2.397)	1.617 (1.192, 2.047)	1.996 (1.652, 2.339)	2.280 (1.988, 2.543)	1.395 (1.103, 1.671)
	$\tau_1$	1.000	0.939 (0.769, 1.119)	0.925 (0.748, 1.078)	0.877 (0.724, 1.017)	0.867 (0.712, 0.992)	0.957 (0.827, 1.073)
	$\tau_2$	2.000	1.603 (1.348, 1.890)	1.782 (1.460, 2.132)	1.516 (1.284, 1.782)	1.422 (1.234, 1.650)	1.936 (1.727, 2.148)
	$\rho$	-0.600	-0.550 (-0.749, -0.285)	-0.625 (-0.785, -0.405)	-0.492 (-0.699, -0.226)	-0.559 (-0.730, -0.358)	-0.631 (-0.744, -0.487)
	$\beta$	0.500	1.093 (0.348, 2.000)	0.587 (0.202, 2.000)	0.287 (0.049, 0.952)		
	$\alpha$	-0.118	-0.554 (-1.823, 0.212)	-0.071 (-0.504, 0.276)	-0.408 (-1.391, 0.235)		
	$c_1$	0.000	0.674 (0.044, 0.961)				
50	$\mu_1$	1.386	1.157 (0.922, 1.353)	1.350 (1.193, 1.494)	1.088 (0.940, 1.224)	1.154 (1.020, 1.268)	1.395 (1.285, 1.506)
	$\mu_2$	1.386	1.853 (1.408, 2.227)	1.485 (1.180, 1.862)	2.005 (1.753, 2.237)	2.260 (2.082, 2.441)	1.377 (1.184, 1.569)
	$\tau_1$	1.000	0.963 (0.845, 1.104)	0.955 (0.843, 1.079)	0.909 (0.805, 1.014)	0.897 (0.800, 1.006)	0.977 (0.886, 1.069)
	$\tau_2$	2.000	1.655 (1.427, 1.978)	1.879 (1.586, 2.150)	1.534 (1.366, 1.733)	1.460 (1.320, 1.609)	1.963 (1.818, 2.110)
	$\rho$	-0.600	-0.524 (-0.665, -0.369)	-0.595 (-0.712, -0.457)	-0.464 (-0.599, -0.287)	-0.521 (-0.638, -0.394)	-0.612 (-0.691, -0.521)
	$\beta$	0.500	0.674 (0.278, 1.636)	0.512 (0.264, 1.098)	0.243 (0.044, 0.614)		
	$\alpha$	-0.118	-0.264 (-0.886, 0.208)	-0.051 (-0.290, 0.197)	-0.329 (-0.971, 0.260)		
	$c_1$	0.000	0.446 (0.000, 0.916)				
200	$\mu_1$	1.386	1.297 (1.130, 1.415)	1.371 (1.287, 1.458)	1.095 (1.026, 1.164)	1.140 (1.080, 1.203)	1.383 (1.327, 1.441)
	$\mu_2$	1.386	1.525 (1.295, 2.066)	1.412 (1.241, 1.595)	2.077 (1.940, 2.225)	2.273 (2.187, 2.368)	1.382 (1.282, 1.484)
	$\tau_1$	1.000	0.982 (0.919, 1.043)	0.990 (0.926, 1.053)	0.932 (0.878, 0.979)	0.927 (0.874, 0.975)	0.995 (0.955, 1.040)
	$\tau_2$	2.000	1.877 (1.584, 2.067)	1.966 (1.807, 2.125)	1.535 (1.447, 1.630)	1.496 (1.414, 1.572)	1.992 (1.916, 2.072)
	$\rho$	-0.600	-0.562 (-0.633, -0.485)	-0.599 (-0.657, -0.528)	-0.476 (-0.547, -0.401)	-0.515 (-0.570, -0.452)	-0.600 (-0.645, -0.557)
	$\beta$	0.500	0.502 (0.323, 0.681)	0.520 (0.394, 0.669)	0.183 (0.039, 0.335)		
	$\alpha$	-0.118	-0.134 (-0.307, 0.061)	-0.110 (-0.219, 0.029)	-0.163 (-0.536, 0.317)		
	$c_1$	0.000	0.024 (0.000, 0.579)				

Table 5: Estimates of the parameters

$S$	Par	True	Proposed ( $\hat{c}_1^2, \hat{c}_2^2$ )	Proposed (correct)	Proposed (wrong)	Reitsma <sub>O</sub>	Reitsma <sub>P</sub>
25	$\mu_1$	2.197	2.019 (1.771, 2.244)	2.163 (1.978, 2.377)	1.967 (1.753, 2.172)	2.076 (1.900, 2.256)	2.199 (2.038, 2.339)
	$\mu_2$	-0.405	-0.039 (-0.494, 0.394)	-0.277 (-0.638, 0.112)	0.161 (-0.215, 0.525)	0.488 (0.226, 0.780)	-0.374 (-0.660, -0.101)
	$\tau_1$	1.000	0.974 (0.803, 1.141)	0.941 (0.790, 1.094)	0.953 (0.791, 1.112)	0.918 (0.766, 1.066)	0.950 (0.820, 1.073)
	$\tau_2$	2.000	1.740 (1.463, 2.075)	1.845 (1.563, 2.154)	1.628 (1.368, 1.929)	1.486 (1.255, 1.702)	1.922 (1.702, 2.139)
	$\rho$	-0.300	-0.249 (-0.505, 0.021)	-0.334 (-0.558, -0.081)	-0.162 (-0.452, 0.101)	-0.285 (-0.506, -0.072)	-0.326 (-0.476, -0.161)
	$\beta$	0.500	2.000 (0.401, 2.000)	0.892 (0.312, 2.000)	0.186 (0.037, 0.947)		
	$\alpha$	1.744	1.059 (-0.367, 4.750)	2.686 (1.051, 6.777)	0.268 (-0.041, 0.529)		
	$c_1$	0.000	0.231 (0.000, 0.915)				
50	$\mu_1$	2.197	2.086 (1.878, 2.261)	2.194 (2.052, 2.340)	1.981 (1.813, 2.134)	2.089 (1.962, 2.216)	2.198 (2.092, 2.302)
	$\mu_2$	-0.405	-0.207 (-0.553, 0.281)	-0.343 (-0.624, -0.079)	0.233 (-0.095, 0.510)	0.511 (0.321, 0.699)	-0.394 (-0.597, -0.199)
	$\tau_1$	1.000	0.998 (0.888, 1.129)	0.975 (0.874, 1.086)	0.975 (0.874, 1.093)	0.955 (0.858, 1.053)	0.976 (0.896, 1.056)
	$\tau_2$	2.000	1.863 (1.573, 2.152)	1.939 (1.704, 2.195)	1.617 (1.419, 1.890)	1.523 (1.354, 1.694)	1.976 (1.835, 2.120)
	$\rho$	-0.300	-0.267 (-0.437, -0.068)	-0.317 (-0.482, -0.138)	-0.191 (-0.360, 0.017)	-0.275 (-0.426, -0.121)	-0.308 (-0.410, -0.198)
	$\beta$	0.500	0.773 (0.400, 2.000)	0.632 (0.387, 1.933)	0.118 (0.039, 0.496)		
	$\alpha$	1.744	1.521 (0.127, 4.146)	2.187 (1.247, 5.487)	0.280 (0.037, 0.475)		
	$c_1$	0.000	0.035 (0.000, 0.837)				
200	$\mu_1$	2.197	2.168 (2.071, 2.249)	2.200 (2.127, 2.270)	2.021 (1.936, 2.096)	2.083 (2.017, 2.145)	2.206 (2.146, 2.256)
	$\mu_2$	-0.405	-0.360 (-0.520, -0.179)	-0.394 (-0.530, -0.264)	0.350 (0.184, 0.475)	0.500 (0.404, 0.585)	-0.416 (-0.510, -0.316)
	$\tau_1$	1.000	1.009 (0.951, 1.070)	1.000 (0.942, 1.056)	0.997 (0.937, 1.050)	0.985 (0.930, 1.038)	0.999 (0.953, 1.044)
	$\tau_2$	2.000	1.964 (1.792, 2.100)	1.983 (1.870, 2.108)	1.594 (1.499, 1.701)	1.550 (1.468, 1.631)	1.991 (1.918, 2.075)
	$\rho$	-0.300	-0.288 (-0.368, -0.211)	-0.300 (-0.380, -0.229)	-0.226 (-0.300, -0.136)	-0.257 (-0.326, -0.197)	-0.303 (-0.358, -0.250)
	$\beta$	0.500	0.522 (0.412, 0.700)	0.517 (0.414, 0.677)	0.064 (0.038, 0.161)		
	$\alpha$	1.744	1.702 (1.210, 2.344)	1.788 (1.380, 2.429)	0.325 (0.139, 0.431)		
	$c_1$	0.000	0.000 (0.000, 0.040)				

## Scenario 6

Table 6: Estimates of the parameters

$S$	Par	True	Proposed ( $\hat{c}_1^2, \hat{c}_2^2$ )	Proposed (correct)	Proposed (wrong)	Reitsma $_O$	Reitsma $_P$
25	$\mu_1$	2.197	1.937 (1.686, 2.192)	2.147 (1.946, 2.360)	1.898 (1.686, 2.106)	1.951 (1.772, 2.144)	2.202 (2.039, 2.352)
	$\mu_2$	-0.405	0.047 (-0.467, 0.547)	-0.252 (-0.674, 0.100)	0.201 (-0.185, 0.542)	0.498 (0.191, 0.766)	-0.419 (-0.691, -0.128)
	$\tau_1$	1.000	0.940 (0.791, 1.129)	0.930 (0.785, 1.092)	0.890 (0.751, 1.048)	0.881 (0.739, 1.031)	0.952 (0.829, 1.080)
	$\tau_2$	2.000	1.714 (1.359, 2.037)	1.834 (1.522, 2.145)	1.572 (1.290, 1.877)	1.448 (1.217, 1.694)	1.901 (1.696, 2.109)
	$\rho$	-0.600	-0.578 (-0.762, -0.333)	-0.630 (-0.793, -0.424)	-0.514 (-0.716, -0.240)	-0.577 (-0.748, -0.382)	-0.623 (-0.734, -0.495)
	$\beta$	0.500	2.000 (0.447, 2.000)	1.276 (0.343, 2.000)	0.164 (0.024, 0.901)		
	$\alpha$	1.733	0.548 (-0.688, 4.183)	3.622 (1.028, 6.748)	0.213 (-0.145, 0.502)		
	$c_1$	0.000	0.528 (0.000, 0.937)				
50	$\mu_1$	2.197	2.048 (1.817, 2.241)	2.189 (2.030, 2.344)	1.923 (1.772, 2.061)	1.965 (1.844, 2.107)	2.204 (2.091, 2.316)
	$\mu_2$	-0.405	-0.203 (-0.551, 0.297)	-0.351 (-0.657, -0.102)	0.251 (-0.051, 0.499)	0.494 (0.301, 0.673)	-0.418 (-0.612, -0.214)
	$\tau_1$	1.000	0.979 (0.862, 1.099)	0.975 (0.858, 1.087)	0.925 (0.823, 1.025)	0.922 (0.819, 1.017)	0.971 (0.883, 1.064)
	$\tau_2$	2.000	1.833 (1.544, 2.101)	1.917 (1.688, 2.149)	1.595 (1.399, 1.838)	1.509 (1.348, 1.669)	1.958 (1.798, 2.106)
	$\rho$	-0.600	-0.578 (-0.705, -0.415)	-0.617 (-0.725, -0.479)	-0.489 (-0.637, -0.343)	-0.556 (-0.671, -0.424)	-0.615 (-0.689, -0.522)
	$\beta$	0.500	0.752 (0.388, 2.000)	0.614 (0.375, 2.000)	0.095 (0.025, 0.561)		
	$\alpha$	1.733	1.252 (-0.105, 3.735)	2.121 (1.194, 5.435)	0.268 (-0.052, 0.459)		
	$c_1$	0.000	0.058 (0.000, 0.863)				
200	$\mu_1$	2.197	2.168 (2.066, 2.242)	2.194 (2.127, 2.265)	1.938 (1.869, 2.002)	1.961 (1.898, 2.022)	2.195 (2.143, 2.249)
	$\mu_2$	-0.405	-0.377 (-0.522, -0.155)	-0.404 (-0.541, -0.270)	0.395 (0.251, 0.504)	0.495 (0.403, 0.595)	-0.398 (-0.501, -0.296)
	$\tau_1$	1.000	1.000 (0.936, 1.056)	0.998 (0.936, 1.052)	0.941 (0.890, 0.992)	0.940 (0.889, 0.991)	0.994 (0.955, 1.038)
	$\tau_2$	2.000	1.974 (1.794, 2.106)	1.994 (1.880, 2.123)	1.585 (1.500, 1.691)	1.554 (1.479, 1.636)	1.992 (1.918, 2.060)
	$\rho$	-0.600	-0.597 (-0.653, -0.525)	-0.609 (-0.664, -0.545)	-0.523 (-0.586, -0.454)	-0.544 (-0.601, -0.480)	-0.605 (-0.646, -0.559)
	$\beta$	0.500	0.538 (0.400, 0.689)	0.541 (0.429, 0.682)	0.052 (0.029, 0.121)		
	$\alpha$	1.733	1.747 (1.142, 2.350)	1.888 (1.454, 2.424)	0.356 (0.188, 0.455)		
	$c_1$	0.000	0.000 (0.000, 0.061)				