Estimates of other parameters, Bias

t12

Yi

2021-05-27

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 $(\hat{c}_1, \hat{c}_2)$	Proposed (correct)	Proposed (wrong)	Reitsma$_O$	Reitsma$_P$
25	μ_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)
	μ_2	1.735	0.390 (1.712, 2.500)	0.198 (1.513, 2.336)	0.424 (1.786, 2.527)	0.835 (2.289, 2.833)	-0.019 (1.442, 1.997)
	τ_1	1.000	-0.009 (0.814, 1.199)	-0.059 (0.783, 1.105)	-0.033 (0.791, 1.128)	-0.084 (0.761, 1.075)	-0.053 (0.825, 1.077)
	τ_2	2.000	-0.371 (1.338, 1.963)	-0.216 (1.440, 2.134)	-0.425 (1.311, 1.891)	-0.570 (1.220, 1.626)	-0.084 (1.707, 2.122)
	ρ	-0.300	0.142 (-0.416, 0.106)	-0.002 (-0.544, -0.037)	0.217 (-0.369, 0.148)	0.046 (-0.484, -0.029)	-0.019 (-0.465, -0.151)
	c_1	0.000	0.601 (0.089, 0.908)				
	β	0.500	1.325 (0.390, 2.000)	0.081 (0.210, 2.000)	-0.097 (0.071, 1.441)		
	α	-0.429	0.435 (-0.888, 0.738)	0.086 (-1.118, 0.039)	0.564 (-0.251, 0.451)		
50	μ_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)
	μ_2	1.735	0.289 (1.653, 2.389)	0.094 (1.484, 2.183)	0.489 (1.903, 2.495)	0.873 (2.405, 2.794)	0.011 (1.543, 1.946)
	τ_1	1.000	0.026 (0.900, 1.147)	-0.026 (0.864, 1.080)	-0.007 (0.874, 1.110)	-0.050 (0.846, 1.054)	-0.030 (0.884, 1.056)
	τ_2	2.000	-0.244 (1.526, 2.036)	-0.074 (1.614, 2.197)	-0.358 (1.443, 1.873)	-0.500 (1.347, 1.647)	-0.017 (1.824, 2.129)
	ρ	-0.300	0.132 (-0.345, 0.031)	0.008 (-0.469, -0.109)	0.195 (-0.289, 0.093)	0.051 (-0.398, -0.093)	-0.011 (-0.411, -0.188)
	c_1	0.000	0.404 (0.039, 0.875)				
	β	0.500	0.274 (0.412, 2.000)	0.102 (0.310, 1.279)	-0.136 (0.068, 0.742)		
	α	-0.429	0.275 (-0.661, 0.515)	0.018 (-0.798, -0.116)	0.558 (-0.157, 0.395)		
200	μ_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)
	μ_2	1.735	0.117 (1.651, 2.165)	0.028 (1.586, 1.928)	0.529 (2.054, 2.475)	0.863 (2.497, 2.691)	-0.002 (1.634, 1.835)
	τ_1	1.000	0.002 (0.945, 1.062)	-0.011 (0.936, 1.045)	-0.001 (0.942, 1.058)	-0.027 (0.920, 1.022)	-0.007 (0.948, 1.037)
	τ_2	2.000	-0.104 (1.665, 2.062)	-0.024 (1.834, 2.113)	-0.398 (1.509, 1.735)	-0.484 (1.446, 1.586)	-0.010 (1.915, 2.062)
	ρ	-0.300	0.069 (-0.329, -0.131)	0.001 (-0.382, -0.211)	0.162 (-0.234, -0.050)	0.054 (-0.314, -0.175)	-0.002 (-0.359, -0.245)
	c_1	0.000	0.092 (0.000, 0.596)				
	β	0.500	0.006 (0.374, 0.687)	0.009 (0.405, 0.663)	-0.234 (0.056, 0.423)		
	α	-0.429	0.075 (-0.528, 0.009)	0.017 (-0.555, -0.309)	0.479 (-0.079, 0.331)		

Table 2: Estimates of the parameters

S	Par	True	Proposed ($\hat{c}_1, \hat{c}_2$)	Proposed (correct)	Proposed (wrong)	Reitsma$_O$	Reitsma$_P$
25	μ_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)
	μ_2	1.735	0.470 (1.804, 2.585)	0.214 (1.497, 2.357)	0.488 (1.852, 2.555)	0.837 (2.316, 2.853)	0.005 (1.425, 2.012)
	τ_1	1.000	-0.045 (0.791, 1.143)	-0.081 (0.762, 1.088)	-0.111 (0.740, 1.042)	-0.133 (0.722, 1.015)	-0.040 (0.839, 1.081)
	τ_2	2.000	-0.383 (1.381, 1.906)	-0.217 (1.467, 2.091)	-0.427 (1.341, 1.868)	-0.566 (1.259, 1.649)	-0.077 (1.712, 2.132)
	ρ	-0.600	0.122 (-0.682, -0.225)	0.004 (-0.780, -0.403)	0.165 (-0.653, -0.175)	0.062 (-0.728, -0.353)	-0.031 (-0.731, -0.486)
	c_1	0.000	0.682 (0.161, 0.933)				
	β	0.500	1.500 (0.491, 2.000)	0.089 (0.200, 2.000)	-0.048 (0.071, 1.476)		
	α	-0.433	0.451 (-0.914, 0.838)	0.061 (-1.087, 0.038)	0.457 (-0.418, 0.378)		
50	μ_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)
	μ_2	1.735	0.375 (1.744, 2.489)	0.131 (1.523, 2.210)	0.494 (1.917, 2.519)	0.863 (2.402, 2.791)	0.001 (1.556, 1.953)
	τ_1	1.000	-0.014 (0.856, 1.114)	-0.040 (0.849, 1.074)	-0.088 (0.815, 1.026)	-0.099 (0.806, 1.005)	-0.023 (0.896, 1.066)
	τ_2	2.000	-0.323 (1.474, 1.960)	-0.130 (1.612, 2.176)	-0.395 (1.426, 1.818)	-0.520 (1.342, 1.647)	-0.033 (1.819, 2.110)
	ρ	-0.600	0.128 (-0.619, -0.303)	-0.002 (-0.718, -0.468)	0.171 (-0.581, -0.249)	0.065 (-0.648, -0.406)	-0.009 (-0.685, -0.535)
	c_1	0.000	0.581 (0.078, 0.905)				
	β	0.500	0.322 (0.420, 2.000)	0.022 (0.280, 1.083)	-0.105 (0.099, 0.810)		
	α	-0.433	0.288 (-0.714, 0.528)	0.052 (-0.761, -0.108)	0.416 (-0.314, 0.294)		
200	μ_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)
	μ_2	1.735	0.168 (1.648, 2.382)	0.009 (1.560, 1.925)	0.526 (2.063, 2.468)	0.853 (2.500, 2.680)	-0.007 (1.631, 1.836)
	τ_1	1.000	-0.018 (0.925, 1.047)	-0.014 (0.935, 1.048)	-0.069 (0.884, 0.979)	-0.079 (0.875, 0.969)	-0.009 (0.953, 1.034)
	τ_2	2.000	-0.139 (1.597, 2.064)	-0.003 (1.850, 2.125)	-0.380 (1.511, 1.749)	-0.482 (1.453, 1.592)	-0.011 (1.918, 2.060)
	ρ	-0.600	0.068 (-0.608, -0.444)	0.001 (-0.659, -0.539)	0.170 (-0.520, -0.339)	0.084 (-0.572, -0.461)	-0.003 (-0.639, -0.561)
	c_1	0.000	0.141 (0.000, 0.859)				
	β	0.500	0.035 (0.375, 0.701)	0.020 (0.410, 0.679)	-0.181 (0.088, 0.523)		
	α	-0.433	0.106 (-0.530, 0.250)	0.020 (-0.539, -0.303)	0.361 (-0.205, 0.254)		

Table 3: Estimates of the parameters

S	Par	True	Proposed $(\hat{c}_1, \hat{c}_2)$	Proposed (correct)	Proposed (wrong)	Reitsma$_O$	Reitsma$_P$
25	μ_1	1.386	-0.245 (0.846, 1.391)	-0.031 (1.139, 1.562)	-0.259 (0.878, 1.331)	-0.122 (1.078, 1.446)	0.003 (1.237, 1.549)
	μ_2	1.386	0.507 (1.459, 2.274)	0.207 (1.176, 2.002)	0.573 (1.595, 2.256)	0.891 (2.009, 2.526)	0.006 (1.136, 1.657)
	τ_1	1.000	-0.005 (0.828, 1.189)	-0.047 (0.806, 1.106)	-0.040 (0.809, 1.139)	-0.078 (0.783, 1.071)	-0.047 (0.838, 1.094)
	τ_2	2.000	-0.400 (1.339, 1.913)	-0.225 (1.448, 2.118)	-0.467 (1.295, 1.817)	-0.583 (1.219, 1.629)	-0.084 (1.721, 2.120)
	ρ	-0.300	0.091 (-0.474, 0.097)	-0.014 (-0.542, -0.022)	0.161 (-0.403, 0.154)	0.034 (-0.475, -0.019)	-0.012 (-0.464, -0.146)
	c_1	0.000	0.581 (0.046, 0.940)				
	β	0.500	0.664 (0.305, 2.000)	0.065 (0.205, 2.000)	-0.198 (0.061, 1.184)		
	α	-0.111	-0.270 (-1.497, 0.211)	0.084 (-0.456, 0.315)	-0.204 (-1.212, 0.192)		
50	μ_1	1.386	-0.186 (0.900, 1.390)	-0.011 (1.227, 1.530)	-0.245 (0.979, 1.291)	-0.111 (1.142, 1.401)	0.003 (1.278, 1.499)
	μ_2	1.386	0.432 (1.392, 2.174)	0.101 (1.149, 1.851)	0.563 (1.639, 2.233)	0.878 (2.067, 2.470)	-0.003 (1.182, 1.577)
	τ_1	1.000	0.021 (0.893, 1.174)	-0.021 (0.867, 1.092)	-0.010 (0.872, 1.112)	-0.051 (0.846, 1.066)	-0.023 (0.886, 1.068)
	τ_2	2.000	-0.301 (1.461, 2.007)	-0.091 (1.617, 2.166)	-0.421 (1.393, 1.787)	-0.532 (1.317, 1.621)	-0.022 (1.825, 2.115)
	ρ	-0.300	0.071 (-0.411, -0.017)	-0.010 (-0.473, -0.128)	0.141 (-0.339, 0.070)	0.043 (-0.399, -0.104)	-0.009 (-0.422, -0.189)
	c_1	0.000	0.413 (0.000, 0.933)				
	β	0.500	0.209 (0.303, 2.000)	0.045 (0.263, 1.357)	-0.238 (0.056, 0.665)		
	α	-0.111	-0.103 (-0.816, 0.230)	0.066 (-0.282, 0.253)	-0.210 (-0.852, 0.226)		
200	μ_1	1.386	-0.067 (1.176, 1.415)	-0.004 (1.308, 1.461)	-0.224 (1.061, 1.240)	-0.118 (1.199, 1.333)	0.000 (1.331, 1.441)
	μ_2	1.386	0.126 (1.281, 1.956)	0.001 (1.222, 1.560)	0.618 (1.824, 2.163)	0.878 (2.172, 2.359)	-0.003 (1.278, 1.485)
	τ_1	1.000	0.008 (0.945, 1.073)	-0.006 (0.939, 1.051)	-0.004 (0.943, 1.054)	-0.025 (0.926, 1.030)	-0.004 (0.952, 1.041)
	τ_2	2.000	-0.100 (1.618, 2.074)	-0.008 (1.841, 2.134)	-0.426 (1.479, 1.683)	-0.498 (1.424, 1.572)	-0.006 (1.913, 2.066)
	ρ	-0.300	0.040 (-0.344, -0.165)	-0.002 (-0.374, -0.221)	0.128 (-0.257, -0.070)	0.054 (-0.312, -0.179)	-0.001 (-0.357, -0.246)
	c_1	0.000	0.025 (0.000, 0.583)				
	β	0.500	0.007 (0.360, 0.661)	0.020 (0.403, 0.664)	-0.282 (0.066, 0.389)		
	α	-0.111	-0.006 (-0.273, 0.060)	0.030 (-0.199, 0.047)	-0.126 (-0.542, 0.228)		

Table 4: Estimates of the parameters

S	Par	True	Proposed $(\hat{c}_1, \hat{c}_2)$	Proposed (correct)	Proposed (wrong)	Reitsma$_O$	Reitsma$_P$
25	μ_1	1.386	-0.320 (0.782, 1.314)	-0.087 (1.102, 1.515)	-0.324 (0.876, 1.255)	-0.252 (0.955, 1.312)	-0.006 (1.236, 1.537)
	μ_2	1.386	0.569 (1.548, 2.397)	0.231 (1.192, 2.047)	0.609 (1.652, 2.339)	0.894 (1.988, 2.543)	0.008 (1.103, 1.671)
	τ_1	1.000	-0.061 (0.769, 1.119)	-0.075 (0.748, 1.078)	-0.123 (0.724, 1.017)	-0.133 (0.712, 0.992)	-0.043 (0.827, 1.073)
	τ_2	2.000	-0.397 (1.348, 1.890)	-0.218 (1.460, 2.132)	-0.484 (1.284, 1.782)	-0.578 (1.234, 1.650)	-0.064 (1.727, 2.148)
	ρ	-0.600	0.050 (-0.749, -0.285)	-0.025 (-0.785, -0.405)	0.108 (-0.699, -0.226)	0.041 (-0.730, -0.358)	-0.031 (-0.744, -0.487)
	c_1	0.000	0.674 (0.044, 0.961)				
	β	0.500	0.593 (0.348, 2.000)	0.087 (0.202, 2.000)	-0.213 (0.049, 0.952)		
	α	-0.118	-0.436 (-1.823, 0.212)	0.047 (-0.504, 0.276)	-0.289 (-1.391, 0.235)		
50	μ_1	1.386	-0.229 (0.922, 1.353)	-0.036 (1.193, 1.494)	-0.299 (0.940, 1.224)	-0.232 (1.020, 1.268)	0.009 (1.285, 1.506)
	μ_2	1.386	0.467 (1.408, 2.227)	0.099 (1.180, 1.862)	0.618 (1.753, 2.237)	0.874 (2.082, 2.441)	-0.009 (1.184, 1.569)
	τ_1	1.000	-0.037 (0.845, 1.104)	-0.045 (0.843, 1.079)	-0.091 (0.805, 1.014)	-0.103 (0.800, 1.006)	-0.023 (0.886, 1.069)
	τ_2	2.000	-0.345 (1.427, 1.978)	-0.121 (1.586, 2.150)	-0.466 (1.366, 1.733)	-0.540 (1.320, 1.609)	-0.037 (1.818, 2.110)
	ρ	-0.600	0.076 (-0.665, -0.369)	0.005 (-0.712, -0.457)	0.136 (-0.599, -0.287)	0.079 (-0.638, -0.394)	-0.012 (-0.691, -0.521)
	c_1	0.000	0.446 (0.000, 0.916)				
	β	0.500	0.174 (0.278, 1.636)	0.012 (0.264, 1.098)	-0.257 (0.044, 0.614)		
	α	-0.118	-0.145 (-0.886, 0.208)	0.067 (-0.290, 0.197)	-0.211 (-0.971, 0.260)		
200	μ_1	1.386	-0.089 (1.130, 1.415)	-0.015 (1.287, 1.458)	-0.291 (1.026, 1.164)	-0.246 (1.080, 1.203)	-0.003 (1.327, 1.441)
	μ_2	1.386	0.139 (1.295, 2.066)	0.026 (1.241, 1.595)	0.691 (1.940, 2.225)	0.887 (2.187, 2.368)	-0.004 (1.282, 1.484)
	τ_1	1.000	-0.018 (0.919, 1.043)	-0.010 (0.926, 1.053)	-0.068 (0.878, 0.979)	-0.073 (0.874, 0.975)	-0.005 (0.955, 1.040)
	τ_2	2.000	-0.123 (1.584, 2.067)	-0.034 (1.807, 2.125)	-0.465 (1.447, 1.630)	-0.504 (1.414, 1.572)	-0.008 (1.916, 2.072)
	ρ	-0.600	0.038 (-0.633, -0.485)	0.001 (-0.657, -0.528)	0.124 (-0.547, -0.401)	0.085 (-0.570, -0.452)	0.000 (-0.645, -0.557)
	c_1	0.000	0.024 (0.000, 0.579)				
	β	0.500	0.002 (0.323, 0.681)	0.020 (0.394, 0.669)	-0.317 (0.039, 0.335)		
	α	-0.118	-0.016 (-0.307, 0.061)	0.008 (-0.219, 0.029)	-0.045 (-0.536, 0.317)		

Table 5: Estimates of the parameters

S	Par	True	Proposed $(\hat{c}_1, \hat{c}_2)$	Proposed (correct)	Proposed (wrong)	Reitsma$_O$	Reitsma$_P$
25	μ_1	2.197	-0.178 (1.771, 2.244)	-0.034 (1.978, 2.377)	-0.230 (1.753, 2.172)	-0.121 (1.900, 2.256)	0.001 (2.038, 2.339)
	μ_2	-0.405	0.366 (-0.494, 0.394)	0.129 (-0.638, 0.112)	0.566 (-0.215, 0.525)	0.894 (0.226, 0.780)	0.031 (-0.660, -0.101)
	τ_1	1.000	-0.026 (0.803, 1.141)	-0.059 (0.790, 1.094)	-0.047 (0.791, 1.112)	-0.082 (0.766, 1.066)	-0.050 (0.820, 1.073)
	τ_2	2.000	-0.260 (1.463, 2.075)	-0.155 (1.563, 2.154)	-0.372 (1.368, 1.929)	-0.514 (1.255, 1.702)	-0.078 (1.702, 2.139)
	ρ	-0.300	0.051 (-0.505, 0.021)	-0.034 (-0.558, -0.081)	0.138 (-0.452, 0.101)	0.015 (-0.506, -0.072)	-0.026 (-0.476, -0.161)
	c_1	0.000	0.231 (0.000, 0.915)				
	β	0.500	1.500 (0.401, 2.000)	0.392 (0.312, 2.000)	-0.314 (0.037, 0.947)		
	α	1.744	-0.685 (-0.367, 4.750)	0.942 (1.051, 6.777)	-1.476 (-0.041, 0.529)		
50	μ_1	2.197	-0.111 (1.878, 2.261)	-0.003 (2.052, 2.340)	-0.217 (1.813, 2.134)	-0.108 (1.962, 2.216)	0.000 (2.092, 2.302)
	μ_2	-0.405	0.199 (-0.553, 0.281)	0.063 (-0.624, -0.079)	0.638 (-0.095, 0.510)	0.916 (0.321, 0.699)	0.011 (-0.597, -0.199)
	τ_1	1.000	-0.002 (0.888, 1.129)	-0.025 (0.874, 1.086)	-0.025 (0.874, 1.093)	-0.045 (0.858, 1.053)	-0.024 (0.896, 1.056)
	τ_2	2.000	-0.137 (1.573, 2.152)	-0.061 (1.704, 2.195)	-0.383 (1.419, 1.890)	-0.477 (1.354, 1.694)	-0.024 (1.835, 2.120)
	ρ	-0.300	0.033 (-0.437, -0.068)	-0.017 (-0.482, -0.138)	0.109 (-0.360, 0.017)	0.025 (-0.426, -0.121)	-0.008 (-0.410, -0.198)
	c_1	0.000	0.035 (0.000, 0.837)				
	β	0.500	0.273 (0.400, 2.000)	0.132 (0.387, 1.933)	-0.382 (0.039, 0.496)		
	α	1.744	-0.223 (0.127, 4.146)	0.443 (1.247, 5.487)	-1.464 (0.037, 0.475)		
200	μ_1	2.197	-0.029 (2.071, 2.249)	0.002 (2.127, 2.270)	-0.176 (1.936, 2.096)	-0.114 (2.017, 2.145)	0.009 (2.146, 2.256)
	μ_2	-0.405	0.045 (-0.520, -0.179)	0.011 (-0.530, -0.264)	0.756 (0.184, 0.475)	0.905 (0.404, 0.585)	-0.011 (-0.510, -0.316)
	τ_1	1.000	0.009 (0.951, 1.070)	0.000 (0.942, 1.056)	-0.003 (0.937, 1.050)	-0.015 (0.930, 1.038)	-0.001 (0.953, 1.044)
	τ_2	2.000	-0.036 (1.792, 2.100)	-0.017 (1.870, 2.108)	-0.406 (1.499, 1.701)	-0.450 (1.468, 1.631)	-0.009 (1.918, 2.075)
	ρ	-0.300	0.012 (-0.368, -0.211)	0.000 (-0.380, -0.229)	0.074 (-0.300, -0.136)	0.043 (-0.326, -0.197)	-0.003 (-0.358, -0.250)
	c_1	0.000	0.000 (0.000, 0.040)				
	β	0.500	0.022 (0.412, 0.700)	0.017 (0.414, 0.677)	-0.436 (0.038, 0.161)		
	α	1.744	-0.042 (1.210, 2.344)	0.044 (1.380, 2.429)	-1.419 (0.139, 0.431)		

Scenario 6

Table 6: Estimates of the parameters

S	Par	True	Proposed $(\hat{c}_1, \hat{c}_2)$	Proposed (correct)	Proposed (wrong)	Reitsma$_O$	Reitsma$_P$
25	μ_1	2.197	-0.260 (1.686, 2.192)	-0.050 (1.946, 2.360)	-0.299 (1.686, 2.106)	-0.246 (1.772, 2.144)	0.004 (2.039, 2.352)
	μ_2	-0.405	0.452 (-0.467, 0.547)	0.153 (-0.674, 0.100)	0.607 (-0.185, 0.542)	0.903 (0.191, 0.766)	-0.014 (-0.691, -0.128)
	τ_1	1.000	-0.060 (0.791, 1.129)	-0.070 (0.785, 1.092)	-0.110 (0.751, 1.048)	-0.119 (0.739, 1.031)	-0.048 (0.829, 1.080)
	τ_2	2.000	-0.286 (1.359, 2.037)	-0.166 (1.522, 2.145)	-0.428 (1.290, 1.877)	-0.552 (1.217, 1.694)	-0.099 (1.696, 2.109)
	ρ	-0.600	0.022 (-0.762, -0.333)	-0.030 (-0.793, -0.424)	0.086 (-0.716, -0.240)	0.023 (-0.748, -0.382)	-0.023 (-0.734, -0.495)
	c_1	0.000	0.528 (0.000, 0.937)				
	β	0.500	1.500 (0.447, 2.000)	0.776 (0.343, 2.000)	-0.336 (0.024, 0.901)		
	α	1.733	-1.185 (-0.688, 4.183)	1.890 (1.028, 6.748)	-1.520 (-0.145, 0.502)		
50	μ_1	2.197	-0.149 (1.817, 2.241)	-0.008 (2.030, 2.344)	-0.274 (1.772, 2.061)	-0.232 (1.844, 2.107)	0.007 (2.091, 2.316)
	μ_2	-0.405	0.203 (-0.551, 0.297)	0.054 (-0.657, -0.102)	0.657 (-0.051, 0.499)	0.899 (0.301, 0.673)	-0.012 (-0.612, -0.214)
	τ_1	1.000	-0.021 (0.862, 1.099)	-0.025 (0.858, 1.087)	-0.075 (0.823, 1.025)	-0.078 (0.819, 1.017)	-0.029 (0.883, 1.064)
	τ_2	2.000	-0.167 (1.544, 2.101)	-0.083 (1.688, 2.149)	-0.405 (1.399, 1.838)	-0.491 (1.348, 1.669)	-0.042 (1.798, 2.106)
	ρ	-0.600	0.022 (-0.705, -0.415)	-0.017 (-0.725, -0.479)	0.111 (-0.637, -0.343)	0.044 (-0.671, -0.424)	-0.015 (-0.689, -0.522)
	c_1	0.000	0.058 (0.000, 0.863)				
	β	0.500	0.252 (0.388, 2.000)	0.114 (0.375, 2.000)	-0.405 (0.025, 0.561)		
	α	1.733	-0.481 (-0.105, 3.735)	0.388 (1.194, 5.435)	-1.464 (-0.052, 0.459)		
200	μ_1	2.197	-0.029 (2.066, 2.242)	-0.003 (2.127, 2.265)	-0.259 (1.869, 2.002)	-0.236 (1.898, 2.022)	-0.002 (2.143, 2.249)
	μ_2	-0.405	0.029 (-0.522, -0.155)	0.002 (-0.541, -0.270)	0.800 (0.251, 0.504)	0.900 (0.403, 0.595)	0.008 (-0.501, -0.296)
	τ_1	1.000	-0.000 (0.936, 1.056)	-0.002 (0.936, 1.052)	-0.059 (0.890, 0.992)	-0.060 (0.889, 0.991)	-0.006 (0.955, 1.038)
	τ_2	2.000	-0.026 (1.794, 2.106)	-0.006 (1.880, 2.123)	-0.415 (1.500, 1.691)	-0.446 (1.479, 1.636)	-0.008 (1.918, 2.060)
	ρ	-0.600	0.003 (-0.653, -0.525)	-0.009 (-0.664, -0.545)	0.077 (-0.586, -0.454)	0.056 (-0.601, -0.480)	-0.005 (-0.646, -0.559)
	c_1	0.000	0.000 (0.000, 0.061)				
	β	0.500	0.038 (0.400, 0.689)	0.041 (0.429, 0.682)	-0.448 (0.029, 0.121)		
	α	1.733	0.015 (1.142, 2.350)	0.156 (1.454, 2.424)	-1.377 (0.188, 0.455)		