

## 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	-0.051 (-0.347, 0.234)	0.040 (-0.171, 0.266)	-0.021 (-0.282, 0.194)	0.141 (-0.049, 0.331)	0.016 (-0.135, 0.171)
	$\mu_2$	1.735	0.201 (1.485, 2.396)	0.146 (1.378, 2.265)	0.753 (2.157, 2.770)	0.650 (2.046, 2.646)	-0.019 (1.442, 1.997)
	$\tau_1$	1.000	-0.001 (0.836, 1.181)	-0.060 (0.789, 1.097)	-0.023 (0.830, 1.162)	-0.080 (0.767, 1.075)	-0.053 (0.825, 1.077)
	$\tau_2$	2.000	-0.167 (1.537, 2.192)	-0.160 (1.540, 2.203)	-0.336 (1.403, 1.900)	-0.356 (1.400, 1.876)	-0.084 (1.707, 2.122)
	$\rho$	-0.300	-0.071 (-0.599, -0.112)	-0.059 (-0.588, -0.097)	-0.216 (-0.678, -0.310)	-0.197 (-0.667, -0.307)	-0.019 (-0.465, -0.151)
	$c_1$	0.707	0.069 (0.539, 0.925)				
	$\beta$	0.500	1.500 (0.448, 2.000)	0.075 (0.186, 2.000)	-0.453 (0.000, 0.227)		
	$\alpha$	-0.165	0.343 (-0.380, 0.890)	0.168 (-0.364, 0.291)	0.807 (0.466, 0.915)		
50	$\mu_1$	0.000	-0.060 (-0.301, 0.152)	0.009 (-0.144, 0.163)	0.016 (-0.168, 0.159)	0.112 (-0.017, 0.250)	-0.006 (-0.114, 0.118)
	$\mu_2$	1.735	0.119 (1.472, 2.231)	0.102 (1.473, 2.155)	0.741 (2.257, 2.701)	0.674 (2.194, 2.593)	0.011 (1.543, 1.946)
	$\tau_1$	1.000	0.037 (0.900, 1.171)	-0.028 (0.864, 1.085)	-0.011 (0.872, 1.099)	-0.044 (0.850, 1.063)	-0.030 (0.884, 1.056)
	$\tau_2$	2.000	-0.084 (1.705, 2.220)	-0.083 (1.702, 2.195)	-0.289 (1.543, 1.869)	-0.303 (1.538, 1.859)	-0.017 (1.824, 2.129)
	$\rho$	-0.300	-0.029 (-0.510, -0.146)	-0.036 (-0.507, -0.151)	-0.185 (-0.612, -0.357)	-0.179 (-0.601, -0.344)	-0.011 (-0.411, -0.188)
	$c_1$	0.707	0.052 (0.545, 0.897)				
	$\beta$	0.500	0.394 (0.459, 2.000)	0.048 (0.242, 1.071)	-0.467 (0.000, 0.103)		
	$\alpha$	-0.165	0.297 (-0.243, 0.613)	0.126 (-0.275, 0.225)	0.743 (0.478, 0.691)		
200	$\mu_1$	0.000	-0.018 (-0.151, 0.093)	0.014 (-0.060, 0.080)	0.079 (0.008, 0.141)	0.123 (0.062, 0.187)	0.007 (-0.051, 0.059)
	$\mu_2$	1.735	0.061 (1.559, 2.019)	0.044 (1.596, 1.969)	0.683 (2.324, 2.532)	0.673 (2.296, 2.509)	-0.002 (1.634, 1.835)
	$\tau_1$	1.000	0.013 (0.959, 1.088)	-0.011 (0.939, 1.048)	-0.020 (0.922, 1.033)	-0.021 (0.932, 1.031)	-0.007 (0.948, 1.037)
	$\tau_2$	2.000	-0.043 (1.816, 2.115)	-0.036 (1.826, 2.104)	-0.281 (1.640, 1.794)	-0.277 (1.645, 1.798)	-0.010 (1.915, 2.062)
	$\rho$	-0.300	-0.010 (-0.411, -0.208)	-0.020 (-0.409, -0.218)	-0.155 (-0.519, -0.409)	-0.168 (-0.524, -0.407)	-0.002 (-0.359, -0.245)
	$c_1$	0.707	0.023 (0.612, 0.828)				
	$\beta$	0.500	0.042 (0.404, 0.727)	-0.003 (0.364, 0.647)	-0.481 (0.007, 0.035)		
	$\alpha$	-0.165	0.097 (-0.189, 0.102)	0.045 (-0.208, -0.033)	0.695 (0.485, 0.568)		

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	-0.101 (-0.414, 0.174)	0.013 (-0.199, 0.208)	-0.160 (-0.388, 0.065)	0.025 (-0.174, 0.199)	0.004 (-0.150, 0.163)
	$\mu_2$	1.735	0.245 (1.472, 2.461)	0.126 (1.415, 2.275)	0.771 (2.171, 2.853)	0.581 (2.029, 2.630)	0.005 (1.425, 2.012)
	$\tau_1$	1.000	0.026 (0.856, 1.199)	-0.053 (0.803, 1.099)	-0.006 (0.838, 1.156)	-0.060 (0.798, 1.088)	-0.040 (0.839, 1.081)
	$\tau_2$	2.000	-0.133 (1.592, 2.183)	-0.139 (1.579, 2.199)	-0.285 (1.495, 1.958)	-0.330 (1.456, 1.886)	-0.077 (1.712, 2.132)
	$\rho$	-0.600	-0.070 (-0.815, -0.457)	-0.065 (-0.813, -0.457)	-0.143 (-0.846, -0.580)	-0.134 (-0.842, -0.568)	-0.031 (-0.731, -0.486)
	$c_1$	0.707	0.087 (0.557, 0.927)				
	$\beta$	0.500	1.500 (0.494, 2.000)	0.051 (0.162, 1.934)	-0.454 (0.000, 0.221)		
	$\alpha$	-0.251	0.307 (-0.606, 0.751)	0.140 (-0.592, 0.232)	0.901 (0.490, 0.998)		
50	$\mu_1$	0.000	-0.102 (-0.359, 0.118)	0.005 (-0.138, 0.148)	-0.070 (-0.252, 0.068)	0.023 (-0.127, 0.148)	-0.011 (-0.121, 0.112)
	$\mu_2$	1.735	0.134 (1.474, 2.289)	0.038 (1.452, 2.161)	0.699 (2.188, 2.688)	0.606 (2.105, 2.557)	0.001 (1.556, 1.953)
	$\tau_1$	1.000	0.048 (0.934, 1.178)	-0.016 (0.881, 1.078)	0.005 (0.900, 1.116)	-0.015 (0.883, 1.077)	-0.023 (0.896, 1.066)
	$\tau_2$	2.000	-0.091 (1.716, 2.183)	-0.066 (1.722, 2.182)	-0.253 (1.585, 1.922)	-0.259 (1.581, 1.901)	-0.033 (1.819, 2.110)
	$\rho$	-0.600	-0.014 (-0.740, -0.472)	-0.032 (-0.740, -0.502)	-0.112 (-0.790, -0.613)	-0.107 (-0.783, -0.611)	-0.009 (-0.685, -0.535)
	$c_1$	0.707	0.081 (0.605, 0.911)				
	$\beta$	0.500	0.381 (0.462, 2.000)	0.017 (0.252, 0.978)	-0.474 (0.000, 0.092)		
	$\alpha$	-0.251	0.251 (-0.324, 0.413)	0.090 (-0.396, 0.077)	0.838 (0.492, 0.723)		
200	$\mu_1$	0.000	-0.038 (-0.202, 0.092)	0.005 (-0.065, 0.069)	-0.038 (-0.122, 0.033)	0.017 (-0.048, 0.079)	-0.000 (-0.052, 0.055)
	$\mu_2$	1.735	0.063 (1.526, 2.068)	0.015 (1.557, 1.946)	0.658 (2.283, 2.509)	0.596 (2.229, 2.445)	-0.007 (1.631, 1.836)
	$\tau_1$	1.000	0.025 (0.965, 1.087)	-0.005 (0.942, 1.041)	0.006 (0.951, 1.060)	-0.000 (0.947, 1.048)	-0.009 (0.953, 1.034)
	$\tau_2$	2.000	-0.045 (1.816, 2.140)	-0.021 (1.851, 2.118)	-0.225 (1.691, 1.864)	-0.232 (1.696, 1.846)	-0.011 (1.918, 2.060)
	$\rho$	-0.600	0.000 (-0.677, -0.519)	-0.007 (-0.669, -0.540)	-0.089 (-0.729, -0.652)	-0.084 (-0.727, -0.645)	-0.003 (-0.639, -0.561)
	$c_1$	0.707	0.033 (0.619, 0.858)				
	$\beta$	0.500	0.076 (0.420, 0.755)	0.008 (0.366, 0.671)	-0.477 (0.013, 0.038)		
	$\alpha$	-0.251	0.109 (-0.275, 0.048)	0.040 (-0.307, -0.120)	0.787 (0.505, 0.588)		

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	0.005 (1.129, 1.620)	0.026 (1.206, 1.587)	-0.171 (0.920, 1.462)	0.103 (1.326, 1.684)	0.003 (1.237, 1.549)
	$\mu_2$	1.386	0.150 (1.073, 2.023)	0.104 (1.062, 1.921)	0.788 (1.844, 2.498)	0.597 (1.695, 2.323)	0.006 (1.136, 1.657)
	$\tau_1$	1.000	0.001 (0.828, 1.200)	-0.042 (0.806, 1.129)	0.093 (0.903, 1.295)	-0.064 (0.784, 1.093)	-0.047 (0.838, 1.094)
	$\tau_2$	2.000	-0.120 (1.608, 2.182)	-0.125 (1.586, 2.183)	-0.273 (1.492, 1.956)	-0.327 (1.453, 1.885)	-0.084 (1.721, 2.120)
	$\rho$	-0.300	-0.105 (-0.605, -0.133)	-0.069 (-0.572, -0.104)	-0.216 (-0.668, -0.305)	-0.173 (-0.632, -0.286)	-0.012 (-0.464, -0.146)
	$c_1$	0.707	0.056 (0.477, 0.924)				
	$\beta$	0.500	1.500 (0.456, 2.000)	0.094 (0.206, 2.000)	-0.248 (0.033, 0.949)		
	$\alpha$	-0.766	-0.247 (-2.438, -0.100)	-0.037 (-1.827, -0.176)	0.957 (-0.165, 0.440)		
50	$\mu_1$	1.386	-0.007 (1.144, 1.566)	0.021 (1.266, 1.547)	-0.117 (1.057, 1.462)	0.116 (1.377, 1.629)	0.003 (1.278, 1.499)
	$\mu_2$	1.386	0.127 (1.073, 1.889)	0.088 (1.130, 1.784)	0.780 (1.922, 2.407)	0.619 (1.794, 2.227)	-0.003 (1.182, 1.577)
	$\tau_1$	1.000	0.016 (0.888, 1.153)	-0.028 (0.862, 1.088)	0.070 (0.931, 1.222)	-0.043 (0.855, 1.068)	-0.023 (0.886, 1.068)
	$\tau_2$	2.000	-0.058 (1.710, 2.248)	-0.069 (1.706, 2.173)	-0.248 (1.584, 1.921)	-0.279 (1.558, 1.881)	-0.022 (1.825, 2.115)
	$\rho$	-0.300	-0.058 (-0.534, -0.161)	-0.030 (-0.495, -0.149)	-0.192 (-0.612, -0.338)	-0.159 (-0.576, -0.320)	-0.009 (-0.422, -0.189)
	$c_1$	0.707	0.029 (0.522, 0.895)				
	$\beta$	0.500	0.306 (0.417, 2.000)	0.036 (0.278, 0.966)	-0.333 (0.019, 0.467)		
	$\alpha$	-0.766	-0.062 (-1.680, -0.268)	0.014 (-1.300, -0.380)	0.960 (-0.066, 0.432)		
200	$\mu_1$	1.386	-0.006 (1.272, 1.495)	0.004 (1.317, 1.466)	-0.006 (1.252, 1.488)	0.112 (1.435, 1.564)	0.000 (1.331, 1.441)
	$\mu_2$	1.386	0.001 (1.156, 1.627)	0.006 (1.232, 1.565)	0.700 (1.967, 2.205)	0.615 (1.897, 2.104)	-0.003 (1.278, 1.485)
	$\tau_1$	1.000	0.009 (0.950, 1.075)	-0.007 (0.943, 1.051)	0.027 (0.968, 1.106)	-0.018 (0.933, 1.038)	-0.004 (0.952, 1.041)
	$\tau_2$	2.000	-0.016 (1.839, 2.157)	-0.017 (1.857, 2.112)	-0.231 (1.687, 1.848)	-0.249 (1.675, 1.833)	-0.006 (1.913, 2.066)
	$\rho$	-0.300	-0.014 (-0.411, -0.227)	-0.003 (-0.395, -0.219)	-0.156 (-0.513, -0.397)	-0.142 (-0.502, -0.383)	-0.001 (-0.357, -0.246)
	$c_1$	0.707	0.001 (0.610, 0.802)				
	$\beta$	0.500	0.066 (0.424, 0.709)	0.010 (0.388, 0.656)	-0.451 (0.003, 0.179)		
	$\alpha$	-0.766	0.014 (-1.001, -0.530)	-0.003 (-0.955, -0.582)	1.063 (0.079, 0.475)		

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	-0.037 (1.093, 1.604)	-0.011 (1.182, 1.574)	-0.277 (0.822, 1.357)	0.008 (1.207, 1.581)	-0.006 (1.236, 1.537)
	$\mu_2$	1.386	0.158 (1.039, 2.020)	0.086 (1.062, 1.878)	0.819 (1.874, 2.577)	0.542 (1.649, 2.255)	0.008 (1.103, 1.671)
	$\tau_1$	1.000	0.003 (0.835, 1.194)	-0.046 (0.800, 1.103)	0.083 (0.892, 1.296)	-0.059 (0.795, 1.090)	-0.043 (0.827, 1.073)
	$\tau_2$	2.000	-0.072 (1.640, 2.229)	-0.111 (1.598, 2.207)	-0.202 (1.550, 2.071)	-0.283 (1.493, 1.973)	-0.064 (1.727, 2.148)
	$\rho$	-0.600	-0.087 (-0.825, -0.477)	-0.059 (-0.805, -0.444)	-0.149 (-0.850, -0.595)	-0.108 (-0.826, -0.546)	-0.031 (-0.744, -0.487)
	$c_1$	0.707	0.047 (0.515, 0.917)				
	$\beta$	0.500	1.500 (0.504, 2.000)	0.081 (0.202, 1.980)	-0.268 (0.025, 0.860)		
	$\alpha$	-0.848	-0.366 (-2.822, -0.219)	-0.062 (-2.151, -0.206)	1.112 (-0.079, 0.523)		
50	$\mu_1$	1.386	-0.017 (1.154, 1.575)	0.011 (1.269, 1.515)	-0.200 (0.964, 1.362)	0.017 (1.281, 1.525)	0.009 (1.285, 1.506)
	$\mu_2$	1.386	0.045 (0.988, 1.867)	0.035 (1.109, 1.717)	0.756 (1.880, 2.417)	0.531 (1.697, 2.137)	-0.009 (1.184, 1.569)
	$\tau_1$	1.000	0.021 (0.905, 1.151)	-0.032 (0.868, 1.075)	0.085 (0.941, 1.238)	-0.028 (0.869, 1.074)	-0.023 (0.886, 1.069)
	$\tau_2$	2.000	-0.013 (1.749, 2.272)	-0.060 (1.728, 2.182)	-0.184 (1.660, 2.004)	-0.246 (1.599, 1.924)	-0.037 (1.818, 2.110)
	$\rho$	-0.600	-0.048 (-0.760, -0.513)	-0.024 (-0.731, -0.495)	-0.115 (-0.793, -0.616)	-0.082 (-0.763, -0.583)	-0.012 (-0.691, -0.521)
	$c_1$	0.707	0.025 (0.540, 0.889)				
	$\beta$	0.500	0.272 (0.453, 1.850)	0.032 (0.274, 0.923)	-0.367 (0.018, 0.420)		
	$\alpha$	-0.848	-0.066 (-1.729, -0.340)	0.004 (-1.477, -0.436)	1.100 (0.032, 0.444)		
200	$\mu_1$	1.386	-0.014 (1.278, 1.480)	-0.000 (1.321, 1.454)	-0.097 (1.154, 1.384)	0.008 (1.332, 1.459)	-0.003 (1.327, 1.441)
	$\mu_2$	1.386	0.017 (1.160, 1.660)	0.018 (1.235, 1.573)	0.659 (1.913, 2.190)	0.540 (1.821, 2.041)	-0.004 (1.282, 1.484)
	$\tau_1$	1.000	0.011 (0.961, 1.067)	-0.008 (0.946, 1.044)	0.043 (0.987, 1.103)	-0.003 (0.951, 1.049)	-0.005 (0.955, 1.040)
	$\tau_2$	2.000	-0.019 (1.848, 2.139)	-0.030 (1.853, 2.097)	-0.180 (1.731, 1.897)	-0.209 (1.714, 1.871)	-0.008 (1.916, 2.072)
	$\rho$	-0.600	-0.014 (-0.676, -0.555)	-0.004 (-0.663, -0.549)	-0.082 (-0.724, -0.638)	-0.070 (-0.710, -0.624)	0.000 (-0.645, -0.557)
	$c_1$	0.707	-0.005 (0.621, 0.807)				
	$\beta$	0.500	0.044 (0.420, 0.703)	-0.002 (0.376, 0.642)	-0.453 (0.003, 0.162)		
	$\alpha$	-0.848	0.031 (-1.086, -0.586)	0.018 (-1.059, -0.623)	1.181 (0.145, 0.473)		

Table 5: 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	0.019 (1.979, 2.439)	0.006 (2.006, 2.405)	-0.110 (1.833, 2.334)	0.102 (2.120, 2.485)	0.001 (2.038, 2.339)
	$\mu_2$	-0.405	0.170 (-0.700, 0.196)	0.150 (-0.659, 0.185)	0.841 (0.115, 0.746)	0.675 (-0.018, 0.588)	0.031 (-0.660, -0.101)
	$\tau_1$	1.000	-0.042 (0.797, 1.135)	-0.064 (0.788, 1.092)	-0.004 (0.811, 1.231)	-0.085 (0.776, 1.060)	-0.050 (0.820, 1.073)
	$\tau_2$	2.000	-0.116 (1.585, 2.243)	-0.155 (1.568, 2.175)	-0.324 (1.439, 1.935)	-0.355 (1.427, 1.881)	-0.078 (1.702, 2.139)
	$\rho$	-0.300	-0.112 (-0.609, -0.141)	-0.061 (-0.574, -0.106)	-0.227 (-0.678, -0.324)	-0.201 (-0.649, -0.302)	-0.026 (-0.476, -0.161)
	$c_1$	0.707	0.005 (0.496, 0.877)				
	$\beta$	0.500	1.500 (0.410, 2.000)	0.063 (0.176, 2.000)	-0.247 (0.038, 0.727)		
	$\alpha$	-0.198	0.163 (-1.292, 0.871)	0.165 (-0.482, 0.253)	-0.108 (-1.047, 0.238)		
50	$\mu_1$	2.197	0.007 (2.038, 2.374)	0.014 (2.069, 2.350)	-0.068 (1.921, 2.293)	0.121 (2.202, 2.437)	0.000 (2.092, 2.302)
	$\mu_2$	-0.405	0.050 (-0.777, -0.011)	0.082 (-0.665, -0.016)	0.805 (0.182, 0.630)	0.665 (0.055, 0.452)	0.011 (-0.597, -0.199)
	$\tau_1$	1.000	-0.000 (0.880, 1.116)	-0.026 (0.867, 1.073)	0.038 (0.905, 1.195)	-0.041 (0.856, 1.054)	-0.024 (0.896, 1.056)
	$\tau_2$	2.000	-0.022 (1.725, 2.255)	-0.055 (1.709, 2.203)	-0.271 (1.566, 1.914)	-0.305 (1.548, 1.873)	-0.024 (1.835, 2.120)
	$\rho$	-0.300	-0.050 (-0.514, -0.174)	-0.035 (-0.482, -0.167)	-0.195 (-0.619, -0.380)	-0.174 (-0.590, -0.357)	-0.008 (-0.410, -0.198)
	$c_1$	0.707	-0.013 (0.541, 0.829)				
	$\beta$	0.500	0.281 (0.406, 2.000)	0.054 (0.267, 1.010)	-0.305 (0.041, 0.494)		
	$\alpha$	-0.198	0.109 (-0.791, 0.595)	0.108 (-0.340, 0.135)	-0.027 (-0.792, 0.243)		
200	$\mu_1$	2.197	0.003 (2.109, 2.291)	0.006 (2.132, 2.281)	-0.025 (2.064, 2.270)	0.126 (2.262, 2.388)	0.009 (2.146, 2.256)
	$\mu_2$	-0.405	0.009 (-0.597, -0.190)	0.019 (-0.569, -0.211)	0.755 (0.230, 0.474)	0.653 (0.147, 0.348)	-0.011 (-0.510, -0.316)
	$\tau_1$	1.000	0.009 (0.953, 1.069)	0.001 (0.947, 1.056)	0.042 (0.973, 1.108)	-0.011 (0.937, 1.042)	-0.001 (0.953, 1.044)
	$\tau_2$	2.000	-0.005 (1.846, 2.127)	-0.021 (1.851, 2.112)	-0.259 (1.668, 1.821)	-0.272 (1.656, 1.803)	-0.009 (1.918, 2.075)
	$\rho$	-0.300	-0.024 (-0.406, -0.221)	-0.012 (-0.401, -0.227)	-0.180 (-0.543, -0.417)	-0.166 (-0.526, -0.405)	-0.003 (-0.358, -0.250)
	$c_1$	0.707	-0.003 (0.635, 0.763)				
	$\beta$	0.500	0.055 (0.408, 0.718)	0.019 (0.381, 0.667)	-0.352 (0.029, 0.278)		
	$\alpha$	-0.198	0.050 (-0.394, 0.120)	0.035 (-0.251, -0.073)	0.074 (-0.434, 0.299)		

## 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	-0.023 (1.940, 2.418)	0.006 (1.992, 2.421)	-0.224 (1.708, 2.220)	0.017 (2.027, 2.404)	0.004 (2.039, 2.352)
	$\mu_2$	-0.405	0.129 (-0.775, 0.178)	0.097 (-0.740, 0.084)	0.805 (0.054, 0.765)	0.575 (-0.143, 0.472)	-0.014 (-0.691, -0.128)
	$\tau_1$	1.000	-0.008 (0.831, 1.160)	-0.047 (0.804, 1.100)	0.062 (0.865, 1.257)	-0.056 (0.798, 1.091)	-0.048 (0.829, 1.080)
	$\tau_2$	2.000	-0.117 (1.597, 2.222)	-0.157 (1.590, 2.192)	-0.266 (1.491, 1.996)	-0.347 (1.440, 1.908)	-0.099 (1.696, 2.109)
	$\rho$	-0.600	-0.093 (-0.833, -0.475)	-0.068 (-0.815, -0.456)	-0.157 (-0.867, -0.625)	-0.128 (-0.848, -0.586)	-0.023 (-0.734, -0.495)
	$c_1$	0.707	0.022 (0.549, 0.883)				
	$\beta$	0.500	1.500 (0.509, 2.000)	0.110 (0.197, 1.888)	-0.219 (0.049, 0.821)		
	$\alpha$	-0.284	-0.073 (-1.706, 0.553)	0.094 (-0.722, 0.198)	0.002 (-1.083, 0.215)		
50	$\mu_1$	2.197	-0.017 (1.988, 2.365)	0.001 (2.049, 2.353)	-0.186 (1.804, 2.195)	0.019 (2.086, 2.344)	0.007 (2.091, 2.316)
	$\mu_2$	-0.405	0.040 (-0.743, -0.005)	0.050 (-0.708, -0.023)	0.770 (0.143, 0.646)	0.587 (-0.042, 0.373)	-0.012 (-0.612, -0.214)
	$\tau_1$	1.000	0.003 (0.893, 1.124)	-0.024 (0.869, 1.084)	0.057 (0.926, 1.216)	-0.022 (0.867, 1.084)	-0.029 (0.883, 1.064)
	$\tau_2$	2.000	-0.041 (1.725, 2.219)	-0.082 (1.693, 2.188)	-0.229 (1.597, 1.984)	-0.283 (1.569, 1.898)	-0.042 (1.798, 2.106)
	$\rho$	-0.600	-0.043 (-0.758, -0.511)	-0.037 (-0.746, -0.485)	-0.125 (-0.806, -0.626)	-0.104 (-0.782, -0.600)	-0.015 (-0.689, -0.522)
	$c_1$	0.707	0.015 (0.581, 0.840)				
	$\beta$	0.500	0.278 (0.414, 1.885)	0.033 (0.260, 0.977)	-0.296 (0.047, 0.474)		
	$\alpha$	-0.284	0.044 (-1.005, 0.419)	0.090 (-0.430, 0.064)	0.098 (-0.659, 0.220)		
200	$\mu_1$	2.197	-0.003 (2.103, 2.282)	-0.003 (2.127, 2.263)	-0.146 (1.923, 2.157)	0.013 (2.145, 2.268)	-0.002 (2.143, 2.249)
	$\mu_2$	-0.405	-0.005 (-0.637, -0.185)	0.015 (-0.570, -0.210)	0.766 (0.219, 0.491)	0.596 (0.087, 0.300)	0.008 (-0.501, -0.296)
	$\tau_1$	1.000	0.007 (0.950, 1.060)	-0.003 (0.941, 1.045)	0.056 (0.994, 1.135)	0.002 (0.948, 1.051)	-0.006 (0.955, 1.038)
	$\tau_2$	2.000	-0.004 (1.858, 2.155)	-0.009 (1.855, 2.133)	-0.189 (1.714, 1.895)	-0.224 (1.689, 1.854)	-0.008 (1.918, 2.060)
	$\rho$	-0.600	-0.015 (-0.676, -0.544)	-0.009 (-0.669, -0.540)	-0.105 (-0.743, -0.661)	-0.086 (-0.726, -0.643)	-0.005 (-0.646, -0.559)
	$c_1$	0.707	-0.007 (0.643, 0.758)				
	$\beta$	0.500	0.072 (0.414, 0.737)	0.029 (0.373, 0.685)	-0.342 (0.031, 0.289)		
	$\alpha$	-0.284	0.063 (-0.505, 0.025)	0.025 (-0.365, -0.152)	0.176 (-0.384, 0.320)		