Estimates of other parameters

t0.7

Yi

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Load data

```
s.rdt <- "../../scenario/scenario-t0.7/set-t0.7-c11.RData"

# s.rdt <- "../../scenario/scenario-t0.7/set-t0.7-c10.RData"

# dt <- "c10"

#
# s.rdt <- "../../scenario/scenario-t0.7/set-t0.7-c01.RData"

# dt <- "c01"</pre>
```

- Scenario 1
- Scenario 2
- Scenario 3
- Scenario 4
- Scenario 5

Table 1: Estimates of the parameters

\overline{S}	Par	True	Proposed $(\hat{c}_1^2, \hat{c}_2^2)$	Proposed (correct)	Proposed (wrong)	$Reitsma_O$	$Reitsma_{P}$
25	μ_1	0.000	-0.022 (-0.234, 0.181)	0.023 (-0.149, 0.210)	0.012 (-0.180, 0.197)	0.139 (-0.008, 0.298)	0.010 (-0.106, 0.136)
	μ_2	1.735	1.749 (1.560, 1.905)	1.741 (1.569, 1.893)	1.894 (1.750, 2.032)	1.848 (1.712, 1.982)	1.729(1.601, 1.850)
	$ au_1$	0.707	$0.693 \ (0.556, \ 0.843)$	$0.649\ (0.527,\ 0.789)$	$0.670\ (0.553,\ 0.807)$	$0.623\ (0.512,\ 0.744)$	$0.664 \ (0.560, \ 0.767)$
	$ au_2$	0.707	$0.664 \ (0.526, \ 0.800)$	$0.654\ (0.524,\ 0.787)$	$0.641\ (0.516,\ 0.749)$	$0.629\ (0.511,\ 0.735)$	$0.658 \ (0.565, \ 0.759)$
	ρ	-0.300	-0.397 (-0.714, -0.015)	-0.391 (-0.691, 0.001)	-0.512 (-0.753, -0.221)	-0.501 (-0.759, -0.206)	-0.349 (-0.575, -0.101)
	c_1	0.707	$0.744 \ (0.416, \ 0.913)$				
	β	0.500	$1.538 \ (0.562, \ 2.000)$	$0.643 \ (0.163, \ 1.736)$	$0.058\ (0.000,\ 0.310)$		
	α	-0.423	-0.592 (-1.736, 0.305)	-0.490 (-1.208, 0.102)	$0.616\ (0.490,\ 0.868)$		
50	μ_1	0.000	-0.028 (-0.186, 0.119)	0.005 (-0.109, 0.121)	0.047 (-0.073, 0.155)	$0.126\ (0.026,\ 0.218)$	-0.005 (-0.085, 0.083)
	μ_2	1.735	$1.729\ (1.587,\ 1.857)$	$1.736\ (1.607,\ 1.852)$	1.886 (1.777, 1.987)	$1.860\ (1.754,\ 1.960)$	$1.740 \ (1.649, \ 1.823)$
	$ au_1$	0.707	$0.711\ (0.609,\ 0.830)$	$0.681\ (0.591,\ 0.776)$	$0.673\ (0.591,\ 0.764)$	$0.650\ (0.570,\ 0.736)$	$0.685 \ (0.609, \ 0.753)$
	$ au_2$	0.707	$0.709\ (0.613,\ 0.795)$	$0.695 \ (0.601, \ 0.783)$	$0.668 \ (0.587, \ 0.744)$	$0.667\ (0.584,\ 0.740)$	$0.699\ (0.622,\ 0.763)$
	ρ	-0.300	-0.323 (-0.528, -0.082)	-0.322 (-0.522, -0.081)	-0.457 (-0.604, -0.281)	-0.441 (-0.600, -0.283)	-0.321 (-0.447, -0.160)
	c_1	0.707	$0.704\ (0.463,\ 0.877)$				
	β	0.500	$0.855 \ (0.501, \ 1.651)$	$0.578 \ (0.245, \ 1.027)$	$0.028\ (0.000,\ 0.118)$		
	α	-0.423	-0.508 (-1.256, 0.099)	-0.472 (-0.875, -0.044)	$0.562 \ (0.488, \ 0.658)$		
200	μ_1	0.000	-0.012 (-0.106, 0.084)	0.016 (-0.049, 0.070)	$0.102\ (0.050,\ 0.163)$	$0.131\ (0.082,\ 0.178)$	0.006 (-0.039, 0.045)
	μ_2	1.735	$1.746\ (1.672,\ 1.806)$	$1.745 \ (1.684, 1.806)$	$1.877 \ (1.817, 1.921)$	$1.863 \ (1.811, \ 1.912)$	$1.735 \ (1.693, \ 1.779)$
	$ au_1$	0.707	$0.711\ (0.664,\ 0.773)$	$0.696 \ (0.659, \ 0.740)$	$0.675 \ (0.634, \ 0.711)$	$0.677 \ (0.640, \ 0.714)$	$0.702 \ (0.666, \ 0.737)$
	$ au_2$	0.707	$0.702\ (0.659,\ 0.746)$	$0.698 \ (0.655, \ 0.741)$	$0.678\ (0.641,\ 0.713)$	$0.676 \ (0.639, \ 0.713)$	$0.701\ (0.668,\ 0.734)$
	ho	-0.300	-0.313 (-0.415, -0.197)	-0.318 (-0.423, -0.206)	-0.424 (-0.504, -0.340)	-0.428 (-0.508, -0.342)	-0.302 (-0.381, -0.233)
	c_1	0.707	$0.730\ (0.551,\ 0.838)$				
	β	0.500	$0.567 \ (0.418, \ 0.747)$	$0.497 \ (0.349, \ 0.644)$	$0.016\ (0.000,\ 0.034)$		
	α	-0.423	-0.407 (-0.646, -0.126)	-0.410 (-0.594, -0.233)	$0.523 \ (0.494, \ 0.560)$		

Table 2: Estimates of the parameters

\overline{S}	Par	True	Proposed $(\hat{c}_1^2, \hat{c}_2^2)$	Proposed (correct)	Proposed (wrong)	$Reitsma_O$	$Reitsma_{P}$
25	μ_1	0.000	-0.023 (-0.231, 0.173)	0.019 (-0.139, 0.169)	-0.033 (-0.219, 0.128)	0.098 (-0.037, 0.238)	0.001 (-0.119, 0.125)
	μ_2	1.735	1.738 (1.569, 1.910)	1.734 (1.591, 1.880)	1.878 (1.739, 2.036)	1.814 (1.682, 1.959)	1.736 (1.608, 1.854)
	$ au_1$	0.707	$0.712 \ (0.565, \ 0.857)$	$0.661 \ (0.537, \ 0.781)$	$0.692\ (0.582,\ 0.816)$	$0.648 \ (0.529, \ 0.763)$	$0.677 \ (0.576, \ 0.772)$
	$ au_2$	0.707	$0.685 \ (0.558, \ 0.825)$	$0.660\ (0.548,\ 0.785)$	$0.662\ (0.544,\ 0.788)$	$0.647 \ (0.540, \ 0.761)$	$0.669 \ (0.571, \ 0.764)$
	ρ	-0.600	-0.720 (-0.968, -0.428)	-0.711 (-0.966, -0.415)	-0.768 (-0.959, -0.543)	-0.762 (-0.983, -0.532)	-0.663 (-0.832, -0.444)
	c_1	0.707	$0.700\ (0.408,\ 0.905)$				
	β	0.500	$1.374 \ (0.554, \ 2.000)$	$0.595 \ (0.153, \ 1.317)$	$0.054\ (0.000,\ 0.348)$		
	α	-0.461	-0.654 (-1.722, 0.310)	-0.513 (-1.267, 0.087)	$0.644 \ (0.505, \ 0.955)$		
50	μ_1	0.000	-0.035 (-0.209, 0.126)	-0.001 (-0.111, 0.111)	0.020 (-0.122, 0.135)	0.086 (-0.016, 0.188)	-0.004 (-0.090, 0.083)
	μ_2	1.735	$1.740\ (1.601,\ 1.876)$	$1.734\ (1.630,\ 1.851)$	$1.862\ (1.763,\ 1.969)$	$1.821\ (1.729,\ 1.922)$	$1.734\ (1.656,\ 1.823)$
	$ au_1$	0.707	$0.727 \ (0.638, \ 0.834)$	$0.684\ (0.608,\ 0.770)$	$0.696\ (0.619,\ 0.781)$	$0.671\ (0.602,\ 0.751)$	$0.689\ (0.625,\ 0.757)$
	$ au_2$	0.707	$0.700 \ (0.614, \ 0.794)$	$0.686 \ (0.602, \ 0.770)$	$0.685 \ (0.601, \ 0.764)$	$0.674\ (0.597,\ 0.754)$	$0.690\ (0.618,\ 0.761)$
	ρ	-0.600	-0.652 (-0.794, -0.467)	-0.649 (-0.784, -0.455)	-0.710 (-0.818, -0.587)	-0.705 (-0.820, -0.577)	-0.628 (-0.742, -0.504)
	c_1	0.707	$0.737 \ (0.448, \ 0.877)$				
	β	0.500	$0.880 \ (0.508, \ 1.629)$	$0.573 \ (0.272, \ 0.946)$	$0.026\ (0.000,\ 0.118)$		
	α	-0.461	-0.540 (-1.166, -0.035)	-0.521 (-0.960, -0.119)	$0.570\ (0.490,\ 0.670)$		
200	μ_1	0.000	-0.012 (-0.114, 0.076)	0.004 (-0.048, 0.057)	0.061 (-0.002, 0.113)	$0.090\ (0.047,\ 0.139)$	0.002 (-0.039, 0.040)
	μ_2	1.735	$1.744\ (1.674,\ 1.816)$	$1.740 \ (1.687, \ 1.794)$	$1.842\ (1.789,\ 1.893)$	$1.827\ (1.778,\ 1.873)$	$1.733\ (1.693,\ 1.779)$
	$ au_1$	0.707	$0.721\ (0.669,\ 0.777)$	$0.700 \ (0.658, \ 0.742)$	$0.691\ (0.651,\ 0.726)$	$0.690\ (0.649,\ 0.730)$	$0.701\ (0.667,\ 0.735)$
	$ au_2$	0.707	$0.701\ (0.658,\ 0.745)$	$0.697 \ (0.655, \ 0.737)$	$0.692\ (0.650,\ 0.734)$	$0.688 \ (0.648, \ 0.727)$	$0.698 \ (0.669, \ 0.734)$
	ρ	-0.600	-0.611 (-0.683, -0.531)	-0.612 (-0.683, -0.535)	-0.670 (-0.726, -0.616)	-0.670 (-0.723, -0.610)	$-0.604 \ (-0.655, -0.547)$
	c_1	0.707	$0.722\ (0.548,\ 0.849)$				
	β	0.500	$0.579 \ (0.439, \ 0.739)$	$0.496 \ (0.369, \ 0.626)$	$0.021\ (0.006,\ 0.040)$		
	α	-0.461	-0.455 (-0.719, -0.170)	-0.458 (-0.630, -0.283)	$0.529 \ (0.494, \ 0.562)$		

Table 3: Estimates of the parameters

\overline{S}	Par	True	Proposed $(\hat{c}_1^2, \hat{c}_2^2)$	Proposed (correct)	Proposed (wrong)	$Reitsma_O$	$Reitsma_{P}$
25	μ_1	1.386	1.392 (1.205, 1.555)	1.399 (1.241, 1.547)	1.307 (1.072, 1.492)	1.490 (1.359, 1.634)	1.387 (1.269, 1.510)
	μ_2	1.386	1.411 (1.237, 1.572)	1.403 (1.246, 1.553)	1.547 (1.402, 1.705)	1.493 (1.353, 1.643)	$1.386\ (1.273,\ 1.503)$
	$ au_1$	0.707	$0.685 \ (0.560, \ 0.847)$	$0.665 \ (0.541, \ 0.802)$	$0.745\ (0.577,\ 0.929)$	$0.645\ (0.529,\ 0.767)$	$0.672 \ (0.570, \ 0.774)$
	$ au_2$	0.707	$0.677 \ (0.543, \ 0.807)$	$0.652\ (0.532,\ 0.780)$	$0.658 \ (0.539, \ 0.767)$	$0.640\ (0.523,\ 0.744)$	$0.667 \ (0.567, \ 0.761)$
	ρ	-0.300	-0.421 (-0.694, -0.077)	-0.360 (-0.662, -0.037)	-0.488 (-0.750, -0.184)	-0.452 (-0.707, -0.156)	-0.344 (-0.550, -0.106)
	c_1	0.707	$0.729\ (0.373,\ 0.951)$				
	β	0.500	$1.318\ (0.543,\ 2.000)$	$0.578\ (0.210,\ 1.301)$	$0.449\ (0.083,\ 1.399)$		
	α	-1.003	-1.660 (-3.267, -0.693)	-1.160 (-2.674, -0.298)	-0.291 (-0.929, 0.229)		
50	μ_1	1.386	$1.396\ (1.248,\ 1.525)$	$1.405 \ (1.287, \ 1.512)$	$1.332\ (1.164,\ 1.455)$	1.498 (1.402, 1.596)	1.388 (1.308, 1.473)
	μ_2	1.386	$1.379\ (1.239,\ 1.520)$	$1.388 \ (1.279, \ 1.510)$	1.545 (1.433, 1.655)	$1.492\ (1.390,\ 1.599)$	1.385 (1.297, 1.468)
	$ au_1$	0.707	$0.703\ (0.603,\ 0.807)$	$0.677 \ (0.592, \ 0.771)$	$0.746\ (0.634,\ 0.879)$	$0.662\ (0.578,\ 0.745)$	$0.688 \ (0.616, \ 0.761)$
	$ au_2$	0.707	$0.712\ (0.617,\ 0.812)$	$0.689\ (0.602,\ 0.777)$	$0.680\ (0.602,\ 0.765)$	$0.668 \ (0.591, \ 0.752)$	$0.695 \ (0.623, \ 0.757)$
	ρ	-0.300	-0.351 (-0.541, -0.128)	-0.314 (-0.511, -0.108)	-0.427 (-0.597, -0.238)	-0.389 (-0.562, -0.221)	-0.318 (-0.466, -0.149)
	c_1	0.707	$0.701\ (0.415,\ 0.919)$				
	β	0.500	$0.830\ (0.452,\ 1.584)$	$0.541 \ (0.279, \ 0.883)$	$0.350\ (0.090,\ 0.737)$		
	α	-1.003	-1.223 (-2.274, -0.644)	-1.051 (-1.790, -0.475)	-0.265 (-0.656, 0.190)		
200	μ_1	1.386	1.387 (1.322, 1.453)	1.390 (1.337, 1.444)	$1.346 \ (1.256, \ 1.428)$	1.496 (1.447, 1.544)	1.386 (1.344, 1.427)
	μ_2	1.386	$1.383 \ (1.318, \ 1.454)$	$1.390\ (1.338,\ 1.439)$	$1.530\ (1.481,\ 1.587)$	$1.493\ (1.443,\ 1.541)$	$1.385 \ (1.343, 1.428)$
	$ au_1$	0.707	$0.708 \ (0.664, \ 0.758)$	$0.702\ (0.659,\ 0.745)$	$0.743 \ (0.688, \ 0.801)$	$0.686 \ (0.646, \ 0.727)$	$0.704\ (0.668,\ 0.739)$
	$ au_2$	0.707	$0.707 \ (0.664, \ 0.749)$	$0.700 \ (0.658, \ 0.741)$	$0.690\ (0.652,\ 0.728)$	$0.683\ (0.647,\ 0.722)$	$0.704\ (0.670,\ 0.737)$
	ho	-0.300	-0.325 (-0.411, -0.223)	-0.313 (-0.400, -0.214)	-0.404 (-0.489, -0.323)	-0.382 (-0.459, -0.305)	-0.306 (-0.375, -0.230)
	c_1	0.707	$0.706 \ (0.557, \ 0.841)$				
	β	0.500	$0.554 \ (0.439, \ 0.696)$	$0.506 \ (0.388, \ 0.650)$	$0.257 \ (0.080, \ 0.422)$		
	α	-1.003	-1.040 (-1.349, -0.758)	-1.017 (-1.317, -0.737)	-0.184 (-0.401, 0.187)		

Table 4: Estimates of the parameters

\overline{S}	Par	True	Proposed $(\hat{c}_1^2, \hat{c}_2^2)$	Proposed (correct)	Proposed (wrong)	$Reitsma_O$	$Reitsma_{P}$
25	μ_1	1.386	1.403 (1.203, 1.568)	1.403 (1.246, 1.545)	1.283 (1.067, 1.445)	1.461 (1.325, 1.608)	1.386 (1.268, 1.503)
	μ_2	1.386	1.383 (1.203, 1.569)	1.391 (1.242, 1.539)	1.551 (1.394, 1.709)	1.461 (1.318, 1.593)	1.390 (1.266, 1.492)
	$ au_1$	0.707	$0.688 \ (0.567, \ 0.818)$	$0.661\ (0.543,\ 0.780)$	$0.725 \ (0.592, \ 0.913)$	$0.645 \ (0.542, \ 0.757)$	$0.671\ (0.569,\ 0.762)$
	$ au_2$	0.707	$0.688 \ (0.569, \ 0.837)$	$0.662\ (0.551,\ 0.787)$	$0.681\ (0.564,\ 0.808)$	$0.652\ (0.542,\ 0.770)$	$0.673\ (0.570,\ 0.773)$
	ρ	-0.600	-0.751 (-0.927, -0.481)	-0.721 (-0.920, -0.437)	-0.784 (-0.938, -0.566)	-0.745 (-0.929, -0.529)	-0.678 (-0.851, -0.465)
	c_1	0.707	$0.706\ (0.360,\ 0.944)$				
	β	0.500	$1.356 \ (0.537, \ 2.000)$	$0.580 \ (0.214, \ 1.245)$	$0.447\ (0.073,\ 1.205)$		
	α	-1.032	-1.726 (-3.395, -0.714)	-1.194 (-2.654, -0.256)	-0.228 (-0.889, 0.235)		
50	μ_1	1.386	$1.399\ (1.257,\ 1.517)$	$1.397\ (1.294,\ 1.495)$	1.298 (1.147, 1.422)	$1.467\ (1.372,\ 1.559)$	$1.392\ (1.310,\ 1.474)$
	μ_2	1.386	$1.388 \ (1.238, \ 1.526)$	$1.389\ (1.276,\ 1.496)$	$1.549\ (1.431,\ 1.658)$	$1.458 \ (1.362, 1.558)$	$1.384 \ (1.304, \ 1.465)$
	$ au_1$	0.707	$0.706 \ (0.611, \ 0.800)$	$0.677 \ (0.594, \ 0.766)$	$0.749\ (0.638,\ 0.867)$	$0.670\ (0.590,\ 0.756)$	$0.688 \ (0.612, \ 0.761)$
	$ au_2$	0.707	$0.696\ (0.620,\ 0.804)$	$0.679\ (0.602,\ 0.762)$	$0.693\ (0.619,\ 0.788)$	$0.670\ (0.595,\ 0.748)$	$0.687 \ (0.617, \ 0.754)$
	ρ	-0.600	-0.670 (-0.791, -0.522)	-0.638 (-0.769, -0.494)	-0.707 (-0.809, -0.580)	-0.676 (-0.792, -0.553)	-0.626 (-0.739, -0.494)
	c_1	0.707	$0.725\ (0.440,\ 0.942)$				
	β	0.500	0.772 (0.473, 1.419)	$0.520\ (0.270,\ 0.848)$	$0.343\ (0.093,\ 0.697)$		
	α	-1.032	-1.273 (-2.204, -0.694)	-1.088 (-1.749, -0.456)	-0.212 (-0.588, 0.166)		
200	μ_1	1.386	1.390 (1.311, 1.465)	1.390 (1.334, 1.444)	1.327 (1.224, 1.413)	1.464 (1.412, 1.515)	1.384 (1.342, 1.428)
	μ_2	1.386	$1.384\ (1.316,\ 1.456)$	$1.384\ (1.338,\ 1.437)$	$1.526 \ (1.468, 1.588)$	$1.460 \ (1.411, \ 1.508)$	$1.383\ (1.344,\ 1.426)$
	$ au_1$	0.707	$0.708 \ (0.666, \ 0.756)$	$0.698 \ (0.662, \ 0.739)$	$0.747 \ (0.698, \ 0.806)$	$0.693\ (0.656,\ 0.731)$	$0.703\ (0.668,\ 0.739)$
	$ au_2$	0.707	$0.710\ (0.668,\ 0.755)$	$0.699 \ (0.658, \ 0.738)$	$0.708\ (0.667,\ 0.749)$	$0.693\ (0.655,\ 0.731)$	$0.703\ (0.666,\ 0.736)$
	ho	-0.600	-0.617 (-0.684, -0.547)	-0.605 (-0.675, -0.538)	-0.667 (-0.726, -0.607)	-0.641 (-0.703, -0.582)	-0.601 (-0.660, -0.544)
	c_1	0.707	$0.705 \ (0.536, \ 0.841)$				
	β	0.500	$0.559 \ (0.435, \ 0.691)$	$0.506 \ (0.379, \ 0.628)$	$0.236\ (0.069,\ 0.385)$		
	α	-1.032	-1.091 (-1.368, -0.757)	-1.053 (-1.316, -0.737)	-0.126 (-0.332, 0.222)		

Table 5: Estimates of the parameters

\overline{S}	Par	True	Proposed $(\hat{c}_1^2, \hat{c}_2^2)$	Proposed (correct)	Proposed (wrong)	$\mathrm{Reitsma}_O$	$Reitsma_{P}$
25	μ_1	2.197	2.207 (2.032, 2.368)	2.200 (2.051, 2.345)	2.207 (2.032, 2.348)	2.317 (2.189, 2.444)	2.200 (2.079, 2.308)
	μ_2	-0.405	-0.430 (-0.631, -0.225)	-0.398 (-0.554, -0.235)	-0.234 (-0.392, -0.080)	-0.267 (-0.418, -0.121)	-0.400 (-0.519, -0.278)
	$ au_1$	0.707	$0.662 \ (0.526, \ 0.789)$	$0.649 \ (0.522, \ 0.784)$	$0.646 \ (0.525, 0.788)$	$0.617 \ (0.510, \ 0.730)$	$0.667 \ (0.557, \ 0.767)$
	$ au_2$	0.707	$0.694\ (0.548,\ 0.847)$	$0.657 \ (0.534, \ 0.802)$	$0.636\ (0.521,\ 0.761)$	$0.630\ (0.514,\ 0.746)$	$0.663\ (0.564,\ 0.766)$
	ρ	-0.300	-0.379 (-0.707, -0.010)	-0.387 (-0.717, 0.023)	-0.522 (-0.766, -0.237)	-0.498 (-0.753, -0.227)	-0.348 (-0.569, -0.105)
	c_1	0.707	$0.686\ (0.495,\ 0.897)$				
	β	0.500	$1.403 \ (0.515, \ 2.000)$	$0.644 \ (0.187, \ 1.467)$	$0.328\ (0.044,\ 0.876)$		
	α	-0.457	-0.551 (-1.894, 0.366)	-0.541 (-1.263, 0.039)	-0.661 (-1.765, 0.143)		
50	μ_1	2.197	$2.183\ (2.074,\ 2.302)$	$2.186\ (2.083,\ 2.302)$	$2.207\ (2.095,\ 2.314)$	$2.318\ (2.232,\ 2.406)$	$2.196\ (2.121,\ 2.274)$
	μ_2	-0.405	-0.444 (-0.601, -0.291)	-0.396 (-0.526, -0.280)	-0.252 (-0.348, -0.139)	-0.282 (-0.382, -0.182)	$-0.402 \ (-0.495, -0.320)$
	$ au_1$	0.707	$0.689\ (0.602,\ 0.794)$	$0.684 \ (0.589, \ 0.786)$	$0.685 \ (0.592, \ 0.785)$	$0.655 \ (0.576, \ 0.737)$	$0.688 \ (0.622, \ 0.754)$
	$ au_2$	0.707	$0.725 \ (0.617, \ 0.822)$	$0.689 \ (0.602, \ 0.782)$	$0.665 \ (0.584, \ 0.752)$	$0.662 \ (0.580, \ 0.746)$	$0.690\ (0.621,\ 0.764)$
	ρ	-0.300	-0.296 (-0.495, -0.062)	-0.306 (-0.510, -0.073)	-0.445 (-0.600, -0.272)	$-0.434 \ (-0.579, -0.264)$	-0.307 (-0.447, -0.160)
	c_1	0.707	$0.694 \ (0.502, \ 0.879)$				
	β	0.500	$0.839 \ (0.476, 1.566)$	$0.553 \ (0.247, \ 0.947)$	$0.280\ (0.072,\ 0.555)$		
	α	-0.457	$-0.523 \ (-1.255, \ 0.204)$	-0.483 (-0.865, -0.080)	-0.571 (-1.183, 0.070)		
200	μ_1	2.197	2.197(2.139, 2.260)	2.204 (2.143, 2.266)	2.217(2.154, 2.278)	$2.326\ (2.280,\ 2.375)$	2.204 (2.159, 2.244)
	μ_2	-0.405	-0.425 (-0.516, -0.343)	-0.409 (-0.463, -0.340)	-0.255 (-0.299, -0.204)	-0.286 (-0.328, -0.238)	-0.409 (-0.450, -0.369)
	$ au_1$	0.707	$0.706 \ (0.662, \ 0.757)$	$0.704\ (0.660,\ 0.755)$	$0.708\ (0.660,\ 0.755)$	$0.684\ (0.641,\ 0.725)$	$0.706 \ (0.671, \ 0.743)$
	$ au_2$	0.707	$0.718\ (0.666,\ 0.776)$	$0.701\ (0.658,\ 0.747)$	$0.680\ (0.643,\ 0.722)$	$0.676 \ (0.639, \ 0.719)$	$0.702\ (0.669,\ 0.740)$
	ho	-0.300	-0.303 (-0.407, -0.189)	-0.312 (-0.413, -0.203)	-0.435 (-0.510, -0.353)	-0.424 (-0.500, -0.341)	-0.306 (-0.374, -0.234)
	c_1	0.707	$0.683\ (0.571,\ 0.813)$				
	β	0.500	$0.586 \ (0.438, \ 0.759)$	$0.504 \ (0.370, \ 0.664)$	$0.260 \ (0.131, \ 0.385)$		
	α	-0.457	-0.442 (-0.753, -0.136)	-0.454 (-0.640, -0.273)	-0.510 (-0.828, -0.138)		

Scenario 6

Table 6: Estimates of the parameters

\overline{S}	Par	True	Proposed $(\hat{c}_1^2, \hat{c}_2^2)$	Proposed (correct)	Proposed (wrong)	$\mathrm{Reitsma}_O$	$Reitsma_{P}$
25	μ_1	2.197	2.207 (2.039, 2.377)	2.204 (2.036, 2.357)	2.169 (1.986, 2.333)	2.301 (2.153, 2.429)	2.200 (2.077, 2.316)
	μ_2	-0.405	-0.458 (-0.658, -0.262)	-0.408 (-0.572, -0.257)	-0.266 (-0.409, -0.110)	-0.323 (-0.465, -0.189)	-0.409 (-0.524, -0.297)
	$ au_1$	0.707	0.665 (0.548, 0.797)	0.659 (0.540, 0.776)	$0.676 \ (0.552, \ 0.818)$	$0.642 \ (0.539, \ 0.755)$	0.672 (0.569, 0.772)
	$ au_2$	0.707	$0.690\ (0.550,\ 0.831)$	$0.662 \ (0.527, \ 0.776)$	$0.661 \ (0.531, \ 0.777)$	$0.644 \ (0.519, \ 0.758)$	$0.659 \ (0.561, \ 0.751)$
	ho	-0.600	-0.684 (-0.948, -0.396)	-0.697 (-0.949, -0.407)	-0.767 (-0.977, -0.557)	-0.752 (-0.979, -0.539)	-0.661 (-0.832, -0.460)
	c_1	0.707	$0.683\ (0.474,\ 0.887)$				
	β	0.500	$1.603 \ (0.596, \ 2.000)$	$0.656 \ (0.237, \ 1.574)$	$0.355 \ (0.058, \ 0.895)$		
	α	-0.492	-0.692 (-2.002, 0.233)	-0.623 (-1.498, -0.076)	-0.762 (-1.874, 0.139)		
50	μ_1	2.197	$2.206\ (2.077,\ 2.325)$	$2.212\ (2.089,\ 2.312)$	$2.172\ (2.058,\ 2.292)$	$2.294\ (2.187,\ 2.387)$	$2.201\ (2.117,\ 2.286)$
	μ_2	-0.405	-0.444 (-0.592, -0.307)	-0.402 (-0.515, -0.294)	-0.262 (-0.371, -0.166)	-0.321 (-0.420, -0.225)	-0.414 (-0.499, -0.322)
	$ au_1$	0.707	$0.689\ (0.604,\ 0.782)$	$0.679\ (0.600,\ 0.766)$	$0.697\ (0.609,\ 0.799)$	$0.664\ (0.591,\ 0.750)$	$0.684 \ (0.614, \ 0.755)$
	$ au_2$	0.707	$0.708\ (0.618,\ 0.816)$	$0.679 \ (0.590, \ 0.766)$	$0.681\ (0.593,\ 0.764)$	$0.668 \ (0.585, \ 0.751)$	$0.679 \ (0.614, \ 0.758)$
	ρ	-0.600	-0.630 (-0.776, -0.448)	-0.646 (-0.786, -0.461)	-0.712 (-0.819, -0.594)	-0.695 (-0.810, -0.564)	$-0.631 \ (-0.738, -0.506)$
	c_1	0.707	$0.665 \ (0.515, \ 0.875)$				
	β	0.500	$0.872 \ (0.477, \ 1.552)$	$0.553 \ (0.269, \ 0.925)$	$0.273 \ (0.071, \ 0.547)$		
	α	-0.492	-0.546 (-1.229, 0.040)	-0.563 (-0.984, -0.132)	-0.553 (-1.196, 0.072)		
200	μ_1	2.197	$2.195\ (2.133,\ 2.257)$	2.197 (2.146, 2.249)	2.172 (2.111, 2.228)	$2.283\ (2.242,\ 2.330)$	$2.196\ (2.156,\ 2.235)$
	μ_2	-0.405	-0.423 (-0.517, -0.341)	-0.403 (-0.457, -0.346)	-0.257 (-0.313, -0.209)	-0.313 (-0.362, -0.265)	$-0.401 \ (-0.445, -0.361)$
	$ au_1$	0.707	$0.704\ (0.662,\ 0.748)$	$0.701\ (0.661,\ 0.744)$	$0.720\ (0.678,\ 0.770)$	$0.692\ (0.653,\ 0.733)$	$0.701\ (0.669,\ 0.737)$
	$ au_2$	0.707	$0.721\ (0.671,\ 0.774)$	$0.703\ (0.661,\ 0.745)$	$0.701\ (0.659,\ 0.743)$	$0.693\ (0.652,\ 0.734)$	$0.703\ (0.669,\ 0.736)$
	ρ	-0.600	-0.603 (-0.677, -0.516)	-0.605 (-0.674, -0.528)	-0.680 (-0.733, -0.621)	-0.665 (-0.718, -0.606)	-0.608 (-0.668, -0.546)
	c_1	0.707	$0.688 \ (0.554, \ 0.838)$				
	β	0.500	$0.604 \ (0.448, \ 0.770)$	$0.524 \ (0.376, \ 0.662)$	$0.274 \ (0.148, \ 0.384)$		
	α	-0.492	-0.497 (-0.854, -0.171)	-0.514 (-0.700, -0.298)	-0.557 (-0.822, -0.182)		