Simulation Tables

Table 1: Model results for simulated data with $n=1000,\,J=4,\,p=2,\,K=3,\,r=2.\,$ 1,000 iterations were run with a burn in of 0. Missingness mechanism was MAR and P(miss)=0

	Class 1		Class 2		Class 3		
Model Component	Parameter	True	Est. (95% CrI)	True	Est. (95% CrI)	True	Est. (95% CrI)
N. C. V. C. V.				_	107 (70 100)	10	100(1070 1001)
MVSN	β_{11}	11	11.07 (10.74, 11.39)	-5	-4.95 (-5.2, -4.68)	-10	-10.3 (-10.56, -10.01)
Regression	β_{21}	12	12.02 (11.87, 12.17)	-4	-4 (-4.1, -3.89)	-11	-11 (-11.19, -10.82)
	β_{31}	13	13.06 (12.75, 13.36)	-3	-2.97 (-3.25, -2.68)	-12	-11.9 (-12.22, -11.56)
	β_{41}	14	14.06 (13.91, 14.22)	-2	-1.96 (-2.07, -1.86)	-13	-13.04 (-13.25, -12.87)
	β_{12}	2	2.11 (1.82, 2.35)	5	5.16 (4.88, 5.47)	-2	-1.86 (-2.21, -1.52)
	eta_{22}	2	$2.03 \ (1.88, \ 2.17)$	5	$4.96 \ (4.86, 5.06)$	-2	-1.97 (-2.18, -1.79)
	β_{32}	2	$2.13 \ (1.8, \ 2.43)$	5	5.22 (4.96, 5.49)	-2	-1.82 (-2.14, -1.5)
	eta_{42}	2	$2.08\ (1.93,\ 2.23)$	5	$4.97 \ (4.86, 5.08)$	-2	-1.93 (-2.13, -1.77)
	Ω_{11}	5	4.99 (3.84, 6.52)	2	1.95 (1.52, 2.52)	5	6.27 (4.84, 7.88)
	Ω_{12}	4.5	4.55 (3.49, 5.88)	-0.5	-0.51 (-0.83, -0.22)	4.5	4.95 (3.78, 6.43)
	Ω_{13}	4.25	4.53 (3.48, 5.85)	1.25	1.08 (0.74, 1.53)	4.25	4.7 (3.56, 6.04)
	Ω_{14}	4.12	4.33 (3.31, 5.57)	-0.88	-1.08 (-1.5, -0.75)	4.12	4.51 (3.43, 5.69)
	Ω_{22}	5	5.09 (3.98, 6.55)	2	1.99 (1.53, 2.51)	5	4.87 (3.75, 6.33)
	Ω_{23}	4.5	4.77 (3.69, 6)	-0.5	-0.46 (-0.75, -0.18)	4.5	4.29 (3.23, 5.61)
	Ω_{24}	4.25	4.38 (3.39, 5.68)	1.25	1.45 (1.04, 1.89)	4.25	4.01 (3.04, 5.19)
	Ω_{33}	5	5.47 (4.3, 6.67)	2	1.73 (1.36, 2.3)	5	4.79 (3.6, 6.24)
	Ω_{34}	4.5	4.8 (3.7, 6.06)	-0.5	-0.68 (-1.07, -0.37)	4.5	4.25 (3.2, 5.45)
	Ω_{44}	5	5.17 (3.96, 6.69)	2	2.34 (1.8, 2.97)	5	$4.64 \ (3.54, 5.92)$
	α_1	-0.99	-0.81 (-2.12, 0.05)	0.85	1.05 (0.37, 1.91)	0.99	2.82 (1.21, 4.3)
	α_2	-0.5	-0.22 (-1.3, 0.75)	-1.28	-1.29 (-2.22, -0.5)	0.5	-0.07 (-1.14, 1.13)
	α_3	-0.5	-0.96 (-2.14, 0.01)	1.28	1.16 (0.47, 2.06)	0.5	0.08 (-0.99, 1.46)
	α_4	-0.99	-1.18 (-2.44, -0.06)	-0.85	-0.91 (-1.76, -0.16)	0.99	1.1 (0.07, 2.33)
Multinom.	δ_{11}	-0.08	-0.07 (-0.27, 0.12)	-0.08	-0.07 (-0.27, 0.12)	-0.08	-0.07 (-0.27, 0.12)
	δ_{12}	0.51	0.25 (-0.04, 0.53)	0.51	0.25 (-0.04, 0.53)	0.51	0.25 (-0.04, 0.53)
	δ_{21}	-0.97	-0.71 (-0.95, -0.48)	-0.97	-0.71 (-0.95, -0.48)	-0.97	-0.71 (-0.95, -0.48)
	δ_{22}	0.84	0.39 (0.09, 0.71)	0.84	0.39 (0.09, 0.71)	0.84	0.39 (0.09, 0.71)
Clustering	π_l	0.38	0.38 (0.38, 0.38)	0.4	0.39 (0.39, 0.4)	0.23	0.23 (0.22, 0.23)