Results 4.2

Recall the model

Outcome model

The outcome Y_{ijl} is generated by:

$$\pi_{ijl} = expit(1 + 1.36 * i + x_{ijl} + \delta_{ij})$$

$x \sim N(0, 2)$ (the variance is 2)

The variance of δ changed based on different ICC:

- ICC=0.01, $\delta \sim N(0, 0.033)$ (the variance is 0.033)

- ICC=0.05, $\delta \sim N(0, 0.173)$ (the variance is 0.173)

- ICC=0.1, $\delta \sim N(0, 0.366)$ (the variance is 0.366)

Missingness generation model

$$logit(R_{ijl} = 1 | Y_{ij}, X_{ij}) = -1.6 + i + X_{ijl}$$

* Misisng percentage: 0.3

- No cluster effect in the missingness generation model

- No nuisance adjustment

- 1000 replicates

Results

Table 1: independent working correlation matrix

ICC	BIAS					MCSD					Coverage				
ICC	CRA	CRAad	IPW	IPWC	MMI	CRA	CRAad	IPW	IPWC	MMI	CRA	CRAad	IPW	IPWC	MMI
0.01	0.315	0	0.007	0.007	0.025	0.076	0.091	0.168	0.168	0.103	0.020	0.942	0.936	0.936	1
0.05	0.300	0	0.006	0.006	0.024	0.093	0.114	0.180	0.180	0.123	0.106	0.953	0.946	0.948	1
0.10	0.280	0	0.000	0.000	0.020	0.114	0.141	0.195	0.195	0.149	0.294	0.940	0.944	0.944	1

K = 50; m =50

Table 2: exchangeable working correlation matrix

ICC	BIAS					MCSD					Coverage				
ICC	CRA	CRAad	IPW	IPWC	MMI	CRA	CRAad	IPW	IPWC	MMI	CRA	CRAad	IPW	IPWC	MMI
0.01	0.315	0	0.008	0.008	0.019	0.076	0.091	0.166	0.166	0.103	0.020	0.941	0.930	0.929	1
0.05	0.298	0	0.010	0.010	0.008	0.093	0.116	0.174	0.174	0.123	0.111	0.954	0.873	0.873	1
0.10	0.273	0	0.009	0.009	0.004	0.114	0.145	0.189	0.189	0.149	0.315	0.941	0.766	0.764	1

K = 50 (100 clusters in total)

m =50