

0708-1

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Single continuous outcome

Structure & Relationship

Outcome : Y Exposure : A,B,C Covariates : D,E,F,G

relationship:

$$E(Y|A, B, C, D, F, G, H) \sim N(\mu, \sigma)$$

$$E(A|D, F, G, H) \sim N(\mu, \sigma)$$

$$E(B|D, F, G, H) \sim N(\mu, \sigma)$$

$$E(c|D, F, G, H) \sim N(\mu, \sigma)$$

$$E(D) \sim bin(0.7)$$

$$E(F) \sim N(30, 5)$$

$$E(G) \sim N(120, 5)$$

$$E(H) \sim Poi(20)$$

1.First: try with small sample

n = 1000