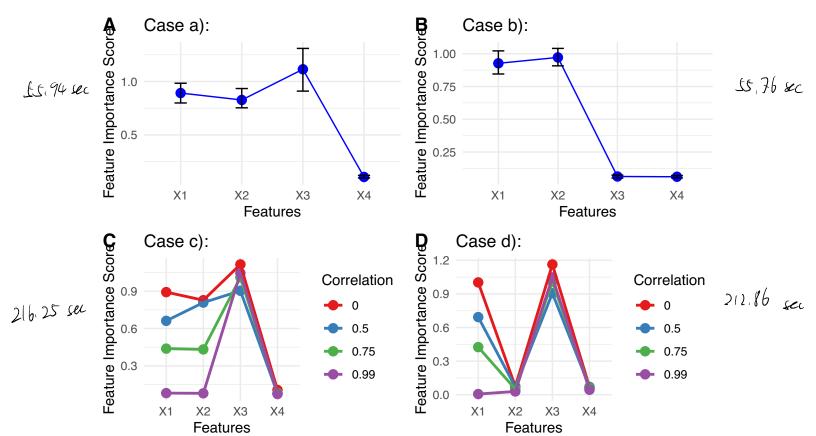
R-Output Presentation

Chenghui Zheng

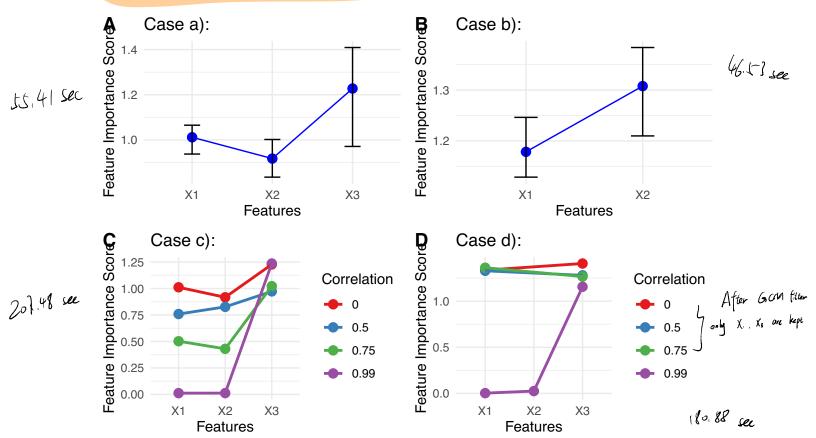
2024-06-01

- (a) $Y_1 \sim X_1 + X_2 + X_3 + X_4 + \epsilon$, where X_i are mutually independent.
- (b) $Y_2 \sim X_1 + X_2 + 0.001X_3 + X_4 + \epsilon$, where X_i are mutually independent.
- (c) $Y_3 \sim X_1 + X_2 + X_3 + X_4 + \epsilon$, where $X_1 \not\perp \!\!\! \perp X_2$.
- (d) $Y_4 \sim X_1 + X_3 + X_4 \epsilon$, where $X_1 \not\perp \!\!\! \perp X_2$.

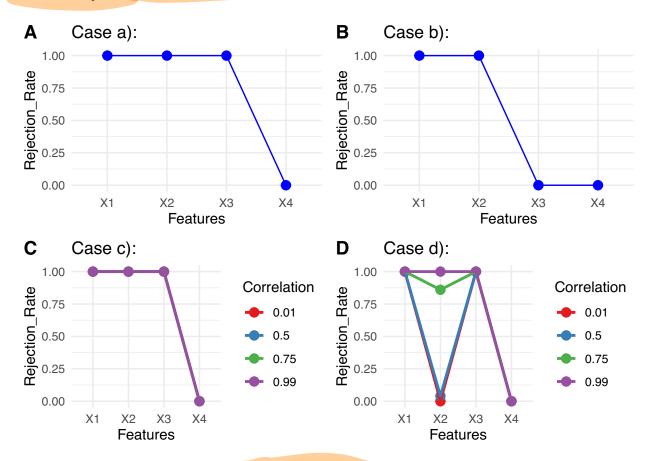
LOCO only sample size love



GCM filter first + LOCO, sample size /000







$$\textit{Non-linear} \quad a)Z \sim N(0,1), \\ X = 2*sin(Z) + 0.1*N(0,1), \\ Y = 2*sin(Z) + 0.1*N(0,1)$$

