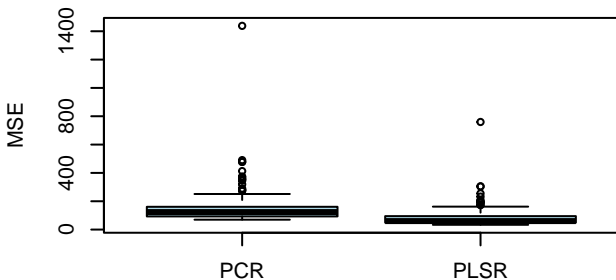


### MSE for PCR and PLS

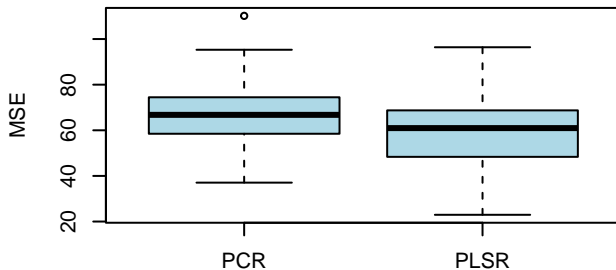
Case I: 1 variable has strong connection with the response variable



(Change in % MSE b/n PCR and PLSR): 45.88 %

### MSE for PCR and PLS

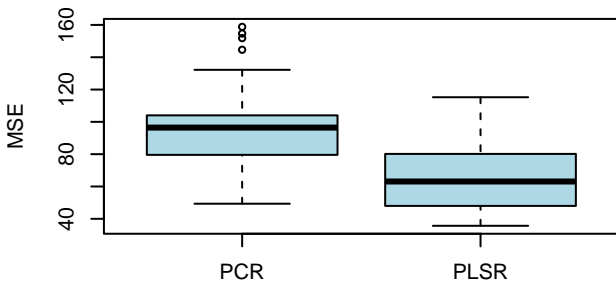
Case II: 1/3 of the dataset has high correlation



(Change in % MSE b/n PCR and PLSR): 14.23 %

### MSE for PCR and PLS

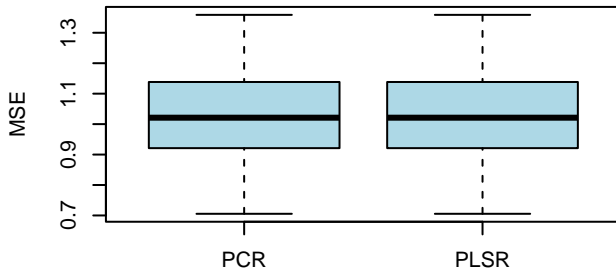
Case III: 1/10 of the dataset has high correlation



(Change in % MSE b/n PCR and PLSR): 31.44 %

### MSE for PCR and PLS

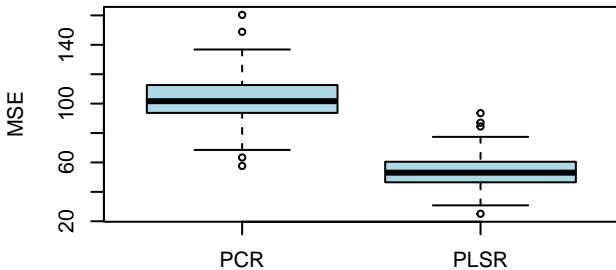
Case IV: all variables are correlated



(Change in % MSE b/n PCR and PLSR): 0 %

### MSE for PCR and PLS

Case V: Data with no leading/strong factor



(Change in % MSE b/n PCR and PLSR): 47.03 %