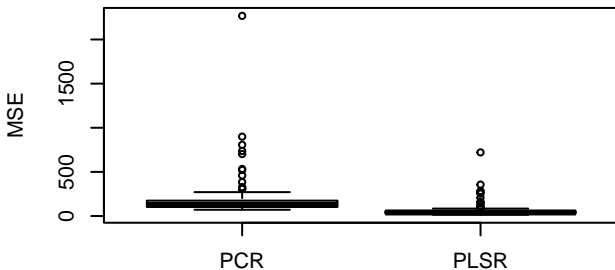


### MSE for PCR and PLS

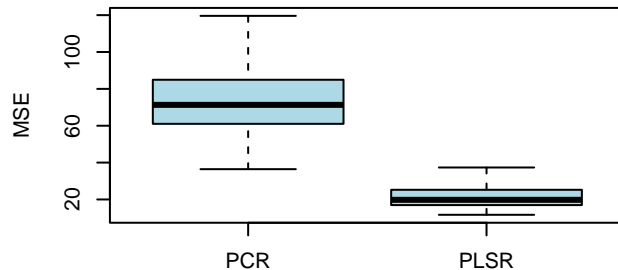
Case I: 1 variable has strong connection with the response variable



(Change in % MSE b/n PCR and PLSR): 67.23 %

### MSE for PCR and PLS

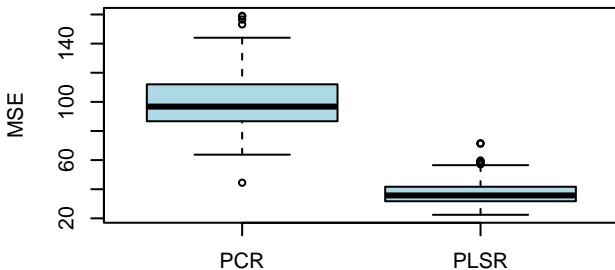
Case II: 1/3 of the dataset has high correlation



(Change in % MSE b/n PCR and PLSR): 71.47 %

### MSE for PCR and PLS

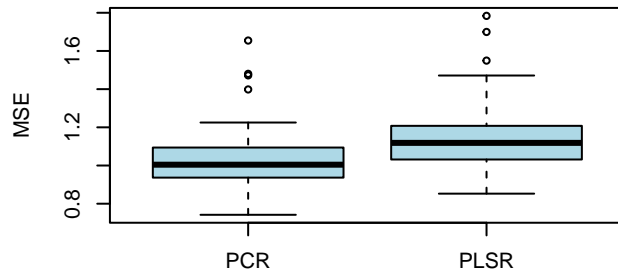
Case III: 1/10 of the dataset has high correlation



(Change in % MSE b/n PCR and PLSR): 62.16 %

### MSE for PCR and PLS

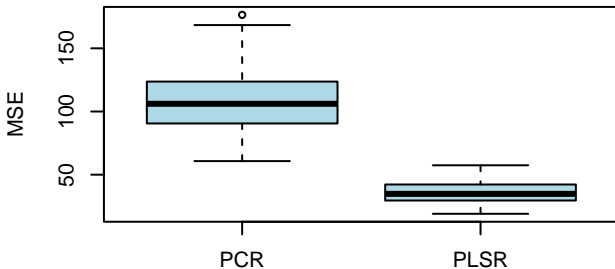
Case IV: all variables are correlated



(Change in % MSE b/n PCR and PLSR): -10.67 %

### MSE for PCR and PLS

Case V: Data with no leading/strong factor



(Change in % MSE b/n PCR and PLSR): 66.92 %