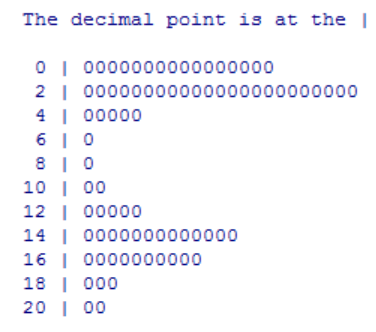
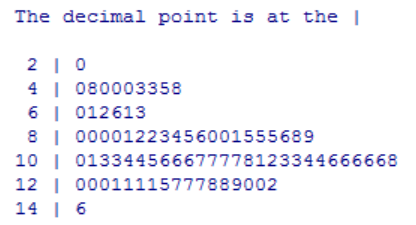
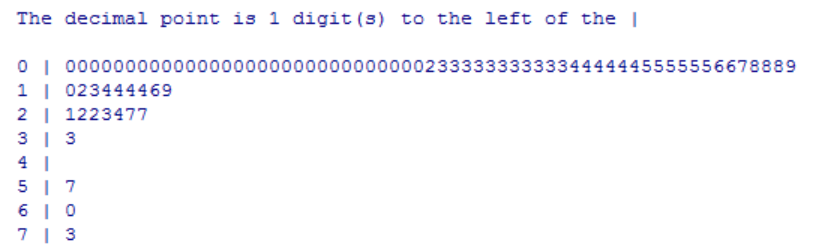
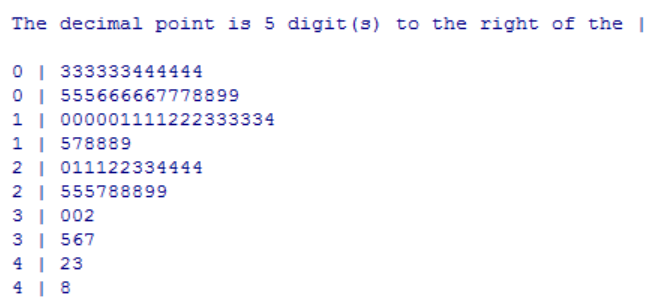
HW 6

6.3．It is true that adding predictor variables to a regression model can never reduce R^2. It means that model fitting is better. However, it does not imply better model. More variables leads the variance of the model to be larger. Also too many variables will make the model hard to be explained. There should be a balance. We should not always include all available predictor variables in the model.

18(a)-(f)

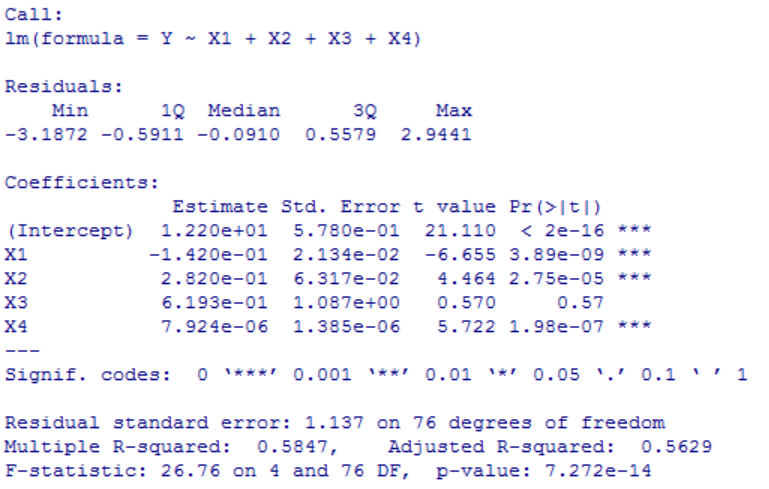




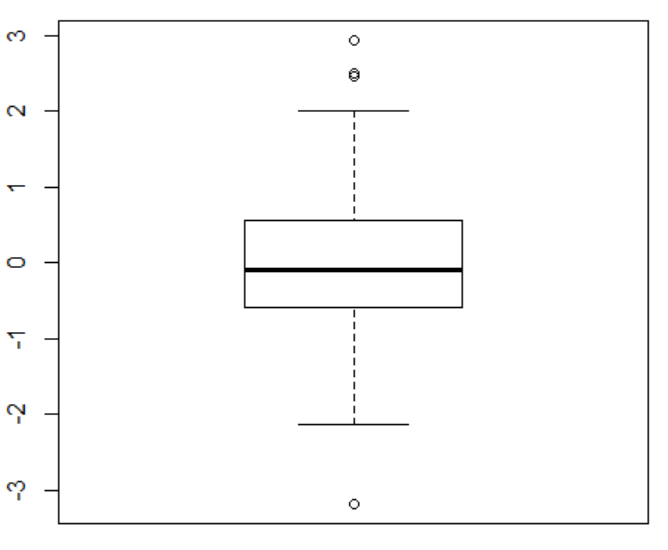


(b)

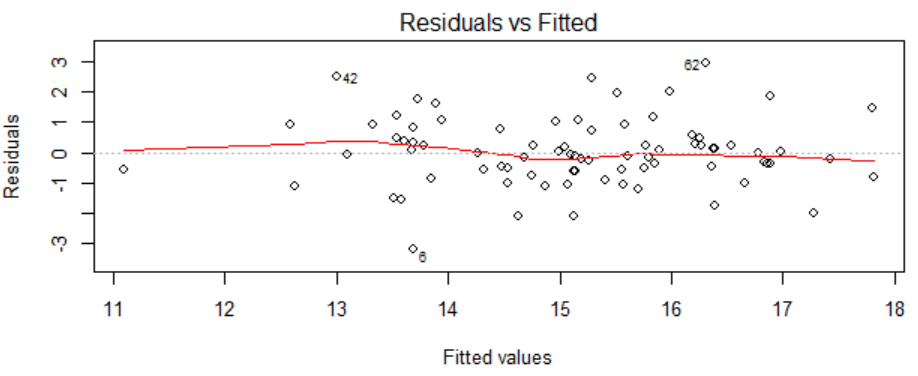
(c)



(d)



(e)



(f)

19

(a)

(b)

(c)

20

21