Multivariable regression:

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```
install.packages("faraway")

###Read the pima dataset using:
library(faraway)
data(pima)
pima<-data.frame(pima)
```

Data description

The National Institute of Diabetes and Digestive and Kidney Diseases conducted a study on 768 adult female Pima Indians living near Phoenix. The following variables were recorded: Number of times pregnant, Plasma glucose concentration a 2 hours in an oral glucose tolerance test, Diastolic blood pressure (mm Hg), Triceps skin fold thickness (mm), 2-Hour serum insulin (mu U/ml), Body mass index (weight in kg/(height in m2)), Diabetes pedigree function, Age (years) and a test whether the patient shows signs of diabetes (coded 0 if negative, 1 if positive).

Questions

a) Fit the most parsimonious multiple regression explaining diastolic pressure (Remember the model may contain interactions)
b) Perform diagnostics on the best fitting model.
c) Interpret the coefficients where possible.

Note: Can use similar codes as in SBP_code.R script for model building process!!