#4 Auto Loss Analysis - Shahin Shakeri

I use R notebooks in RStudio cloud and the data is stored in the clound on my google drive. I submitted this notebook in original format which can be simply be opened in R desktop and run.

# 1- Autoloss

## Using forward stepwise method:

Autoloss <- read.csv(url("https://drive.google.com/uc?export=download&id=1-QuNWq7k4w3c8kBJ8BedIK1m-cpwORiV"),na.strings = '?')  
Autoloss <-na.omit (Autoloss)  
  
library(leaps)  
regfit.fwd=regsubsets(Losses~., data = Autoloss,nvmax=19, method="forward")  
pred10=summary(regfit.fwd)$which[10,][-1]  
names(pred10)[pred10==TRUE]

## [1] "NumDoorstwo" "BodyStylehatchback" "BodyStylesedan"   
## [4] "BodyStylewagon" "DriveWheelsrwd" "Height"   
## [7] "EngineSize" "Horsepower" "PeakRPM"   
## [10] "Citympg"

The best model with 10 predictors has the above columns.