Assignment 3

1. Lab05 in R
2. Review ISLR Chapters 3
3. Use the TEDS2016 dataset to run a multiple regression model. Access the data set using the following codes:

```
library(haven)
TEDS_2016 <-
read_stata("https://github.com/datageneration/home/blob/master/DataProgramming
/data/TEDS_2016.dta?raw=true")
```

4. Select only relevant variables to create a subset of the dataset (Tondu, female, DPP, age, income, edu, Taiwanese and Econ_worse). Make sure the dependent variable Tondu is coded with right labels:

```
TEDS_2016$Tondu<-as.numeric(TEDS_2016$Tondu,labels=c("Unification now",
"Status quo, unif. in future", "Status quo, decide later", "Status quo
forever", "Status quo, indep. in future", "Independence now", "No response"))
```

5. Run a regplot on the dependent variable using:
   a. Age
   b. Education
   c. Income
6. What is the problem? Why? (hint: how many categories in the DV?)
7. What can be done to improve prediction of the dependent variable?