



## Assignment 2

For this assignment you'll be looking at 2017 data on immunizations from the CDC. Your datafile for this assignment is in [assets/NISPUF17.csv](#) ([assets/NISPUF17.csv](#)). A data users guide for this, which you'll need to map the variables in the data to the questions being asked, is available at [assets/NIS-PUF17-DUG.pdf](#) ([assets/NIS-PUF17-DUG.pdf](#)). **Note: you may have to go to your Jupyter tree (click on the Coursera image) and navigate to the assignment 2 assets folder to see this PDF file).**

### Question 1

Write a function called `proportion_of_education` which returns the proportion of children in the dataset who had a mother with the education levels equal to less than high school (<12), high school (12), more than high school but not a college graduate (>12) and college degree.

*This function should return a dictionary in the form of (use the correct numbers, do not round numbers):*

```
{"less than high school":0.2,  
 "high school":0.4,  
 "more than high school but not college":0.2,  
 "college":0.2}
```

```
In [7]: def proportion_of_education():  
        import pandas as pd  
        df= pd.read_csv("assets/NISPUF17.csv")  
  
        diccionario = {}  
        diccionario["less than high school"] = len(df[df['EDUC1']==1]) / len(df)  
        diccionario["high school"] = len(df[df['EDUC1']==2]) / len(df)  
        diccionario["more than high school but not college"] = len(df[df['EDUC1']==3]) / len(df)  
        diccionario["college"] = len(df[df['EDUC1']==4]) / len(df)  
  
        return diccionario  
        raise NotImplementedError()
```