**Lecture 22 questions**

**A1.** Use the data frame titanic3 which you create from the file "titanic3.csv". How many missing values are there for the Age column? How many of the missing observations are women, and how many are men?

**A2.** Create a figure with two subplots:

* In the first subplot, create a bar plot showing the probability of surviving by Pclass for women.
* In the second subplot, create a bar plot showing the probability of surviving by Pclass for men.

**A3.** Use the file "mpg.csv". Import this file to a data frame. Create a figure with three subplots:

* In the first subplot, create a scatter plot of mpg and horsepower.
* In the second subplot, create a scatter plot of mpg and weight.
* In the third subplot, create a scatter plot of mpg and acceleration.

**A4.** Create a figure with three subplots:

* In the first subplot, create a bar plot of average mpg by origin.
* In the second subplot, create a bar plot of average mpg by year.
* In the third subplot, create a bar plot of average mpg by cylinders.