Assignment 3: Data Analysis Using Pandas & Numpy

In this assignment you will be using the data about the Titanic passengers to investigate the survival factors.

Analysis Question: What factors made people more likely to survive? You need to investigate three variables: Class, Sex, Age

The data is available in the "titanic-data.csv" file. The "Titanic Data Overview.docx" provides a description of the data fields shown in the csv file.

Basically, you need to group the data according to each variable you want to investigate, then compare the "Survived" numbers and ratios (Why we need to use ratios?).

For each comparison you perform, provide a bar plot to help visualize the results and summary to explain your findings in the comparison.

In the end, provide a summary of your findings and your own conclusions.