

Pandas Exercises on the Titanic Dataset (Core)

Download the data for this exercise [here](#).

This is a dataset from [Kaggle](#) which is typically used as an introduction to Kaggle competitions. The usual goal of this dataset is to predict survival on the Titanic based on passenger characteristics. For this exercise, you are answering questions about the dataset.

Your task is to write code to answer all of the following questions:

1. Display the head of the dataframe.
2. What is the percentage of people who survived? (hint: find the mean of the survival column).
3. How many of each sex survived?
4. Considering *only* the group of passengers who paid less than \$10, what percentage of this group survived?
5. Overall, what is the average age of those who didn't survive?
6. Overall, what is the average age of those who did survive?
7. What is the average age of those who did and didn't survive grouped by Sex?

Turn in an .ipynb file with your code and solutions to all 7 questions above.