

Load and assign the Titanic passenger data file (test.csv) to a variable. Then perform the following tasks:

- a. Create a new object of class DataFrame containing the following columns from the original DataFrame with the Titanic passengers (1pt):
 - i. Name
 - ii. Age
 - iii. Sex
- b. Then, for the new DataFrame object (created in the previous subsection) perform the following tasks (5):
 - i. Give the median age of the passengers (1pt)
 - ii. Replace the values in the Sex column with male - 0, female - 1. (1pt)
 - iii. Find out how many women and how many men were on board (2pts)
 - iv. Knowing the date of the Titanic disaster, calculate in which year the year the passengers were born. Assign this information to the new column 'Year of birth' (1 point)