

In-class Coding – Week 2

The dataset “Titanic” from Seaborn has the following features:

No.	Feature	Description
1	survived	Survival status (0 = No, 1 = Yes)
2	pclass	Ticket class (1 = 1st, 2 = 2nd, 3 = 3rd)
3	sex	Gender of the passenger
4	age	Age of the passenger
5	sibsp	Number of siblings or spouses aboard the Titanic
6	parch	Number of parents or children aboard the Titanic
7	fare	Passenger fare (in British pounds)
8	embarked	Port of embarkation (C = Cherbourg, Q = Queenstown, S = Southampton)
9	class	Class of travel
10	who	man, woman or child
11	adult_male	Whether the passenger is an adult male
12	deck	Deck level
13	embark_town	Town of embarkation
14	alive	Whether the passenger survived
15	alone	Whether the passenger was alone on board

Load the dataset and complete the following requirements:

1. Perform Exploratory Data Analysis and explain the insights you gain at each step.
2. Transform the data to prepare it for model construction in a later section.

```
# Load Titanic dataset
titanic = sns.load_dataset("titanic")
```