# Challenge: Titanic Survivor Prediction

Ahoy, aspiring data scientists! In this challenge, you'll embark on an exciting journey to analyze the famous Titanic dataset. **Your mission is to build a logistic regression model that can predict whether a passenger survived the tragic sinking of the Titanic** based on various factors, such as age, sex, and fare.

Are you ready to set sail? Let's dive in!

The Titanic dataset contains the following columns:

- Survived: 1 if the passenger survived, 0 otherwise
- Pclass: Passenger's class (1st, 2nd, or 3rd)
- Name: Passenger's name
- Sex: Passenger's sex
- Age: Passenger's age
- Siblings/Spouses Aboard: Number of siblings and spouses aboard
- Parents/Children Aboard: Number of parents and children aboard
- Fare: Passenger's fare

Your adventure consists of the following tasks:

- Explore the dataset
- Clean the dataset
- Prepare the dataset for logistic regression
- Perform logistic regression
- Evaluate the model

Good luck, mateys, and have a swashbuckling time analyzing the Titanic dataset!