**Logistic Regression Implementation in R**

**Problem Statement:**

**Predicting the Survival of Titanic Passengers**

The Titanic dataset provides observations for each passenger and the survival Outcome. The problem statement entails predicting whether a passenger would survive or not survive given the features such as passenger class, sex, fair, age, number of siblings/spouse aboard, number of parents/children aboard, and others.

You have to build the logistic regression model to predict whether a passenger would survive on the Titanic.

In this process, you will:

* Import the data
* Data Preparation
* Build logit models and predict on test data
* Do model diagnostics

**Data sets:** Titanic.csv

**0** for not surviving, **1** for surviving