**Spaceship Titanic - Documentation**

# Introduction

This Python script is designed to preprocess data and train a machine learning model for the Kaggle competition "Spaceship Titanic." The goal of the competition is to predict whether a passenger was transported to another dimension based on various features.

# Dependencies

The script requires the following libraries:

* pandas for data manipulation
* sklearn.preprocessing.LabelEncoder for encoding categorical features
* sklearn.impute.SimpleImputer for handling missing values
* sklearn.ensemble.RandomForestClassifier for training the machine learning model **Steps in script:**

1. Importing Libraries
2. Loading Dataset
3. Dropping unnecessary columns
4. Encoding Categorical features
5. Handling Null Values
6. Defining Features and Target
7. Model Training
8. Making Predictions
9. Creating a Submission File