**Travel Domain (Airline) Project**

**INTRODUCTION**

This project focuses on analyzing a real-world flight booking dataset sourced from the **EaseMyTrip** platform—an online travel portal used by customers to book flight tickets. The primary goal is to extract meaningful insights through **statistical hypothesis testing** and to predict flight fares using **Linear Regression and other Regression Model**, which is popular machine learning algorithm for continuous target prediction.

By exploring features such as **destination, route, meal options, and more**, the project aims to uncover patterns and trends that can enhance the travel experience for potential passengers.

**Context**

Accurately predicting flight fares is a complex challenge due to the dynamic nature of pricing strategies influenced by multiple factors.

**Content Highlights**

Beyond just rows and columns, the dataset includes valuable attributes like:

* Source and Destination
* Route details
* Total stops
* Meal inclusion
* Airline carriers

**Next Steps & Recommendations**

* Experiment with different machine learning algorithms to improve prediction accuracy.
* Develop an **end-to-end ML project** for hands-on learning and practical experience.