Project Report Template

1 INTRODUCTION

1.1 Overview

A brief description about your project

1.2 Purpose

The use of this project. What can be achieved using this.

2 Problem Definition & Design Thinking

2.1 Empathy Map

Paste the empathy map screenshot

2.2 Ideation & Brainstorming Map

Paste the Ideation & brainstorming map screenshot

3 RESULT

Final findings (Output) of the project along with screenshots.

4 ADVANTAGES & DISADVANTAGES

List of advantages and disadvantages of the proposed solution

5 APPLICATIONS

The areas where this solution can be applied

6 CONCLUSION

Conclusion summarizing the entire work and findings.

7 FUTURE SCOPE

Enhancements that can be made in the future.

8 APPENDIX

A. Source Code

Attach the code for the solution built.

1 INTRODUCTION

1.1 Overview

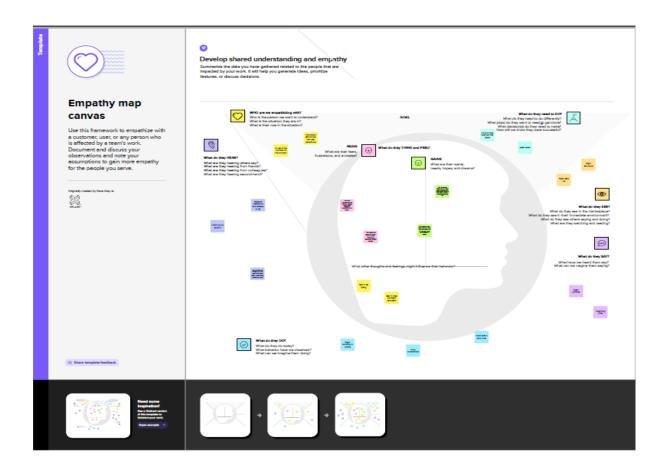
- People who work frequently travel through flight will have better knowledge on best discount and right timeto buy the ticket.
- They will increase the price when people travel more.
- Estimating the highestprices of the airlines data for the route is collected with features such as Duration, Source, Destination, Arrival and Departure.

1.2 Purpose

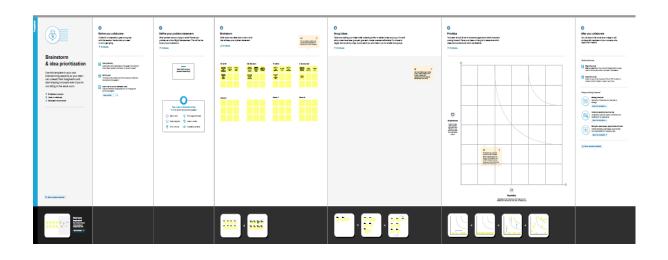
- For the business purpose many airline companies change prices according to the seasons or time duration.
- we have implemented flight price prediction for users by using KNN, decisiontree and random forest algorithms.
- Random Forest shows the best accuracy of 80% for predicting the flight price.
- Also, we have done correlation tests and metrics for the statistical analysis.

2 Problem Definition & Design Thinking

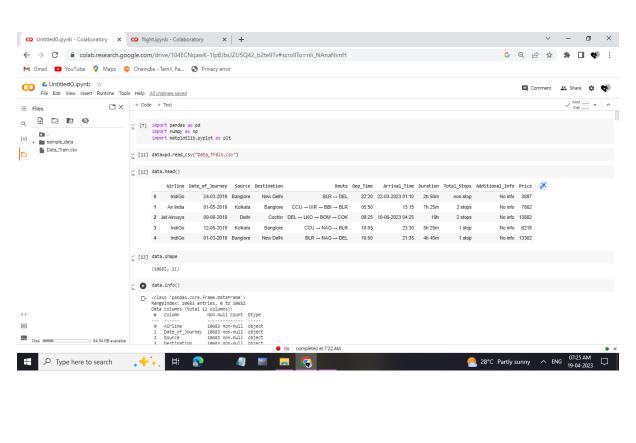
2.1 Empathy Map

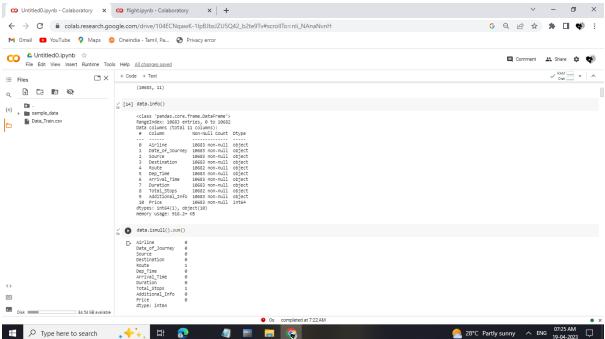


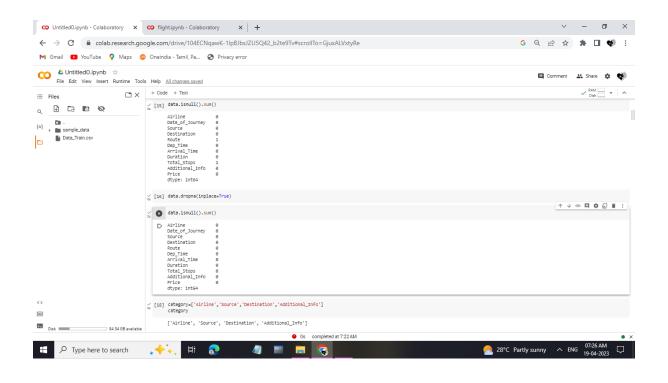
2.2 Ideation & Brainstorming Map

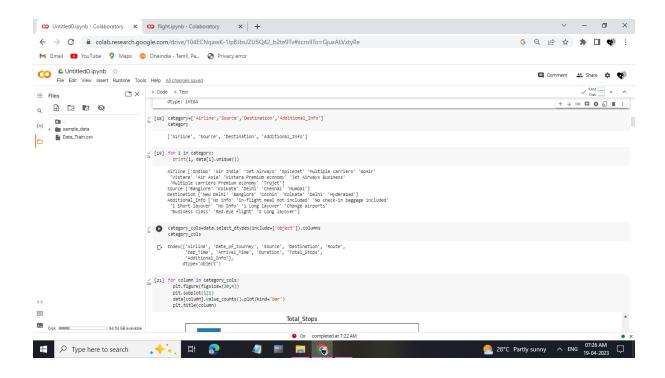


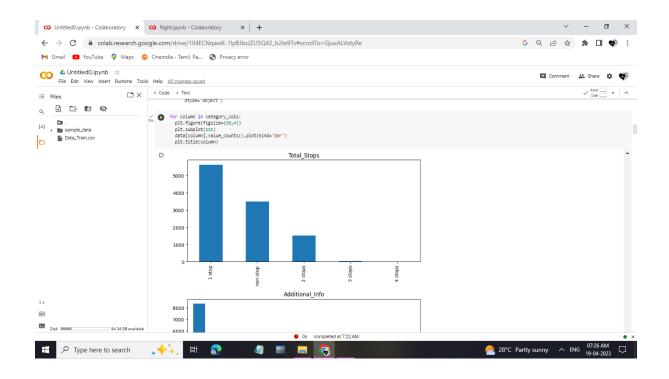
3 RESULT

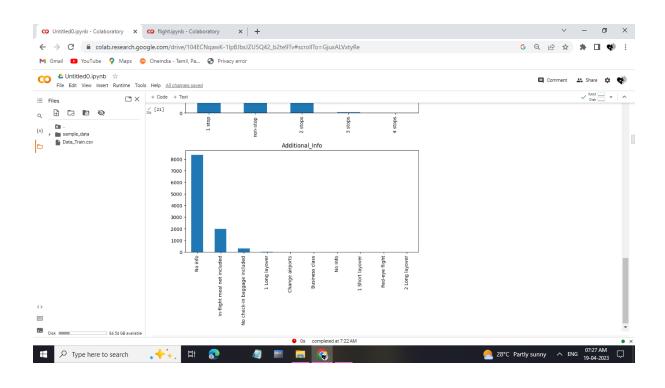


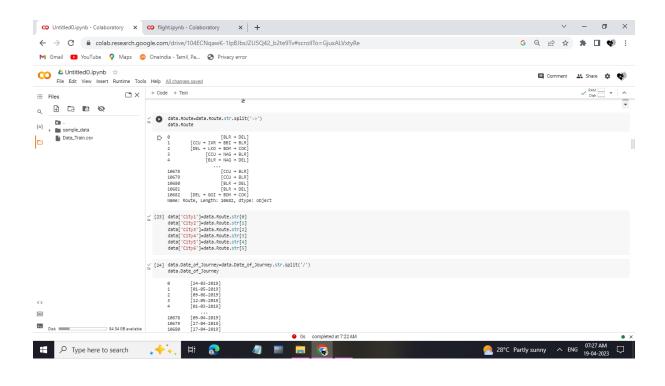


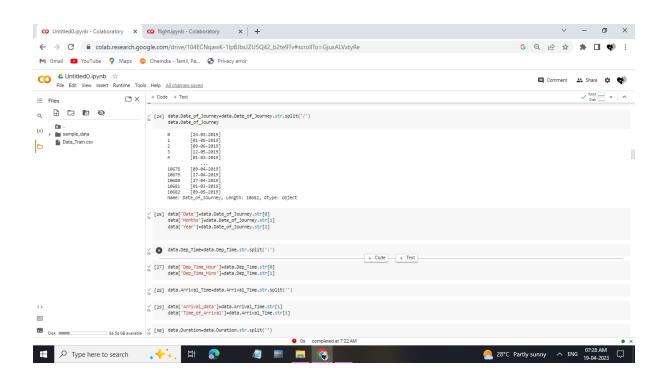


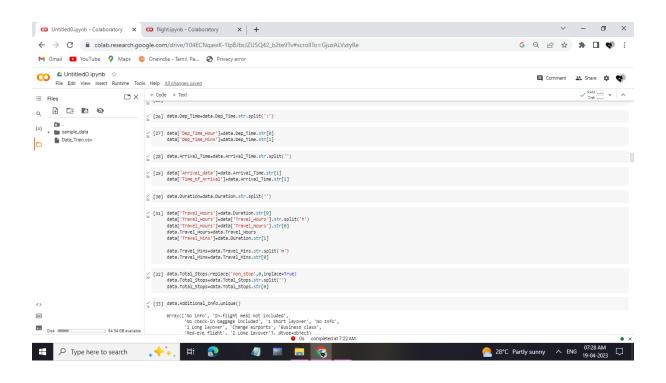


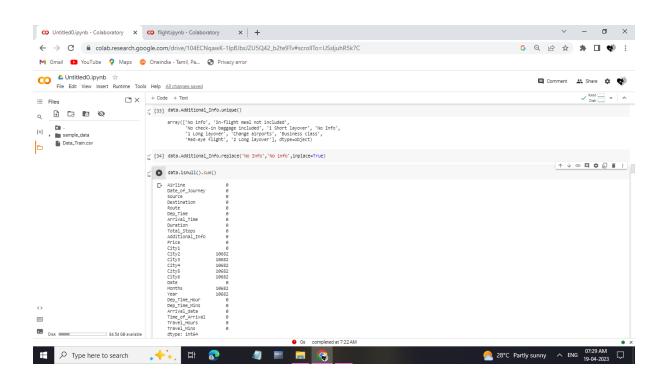


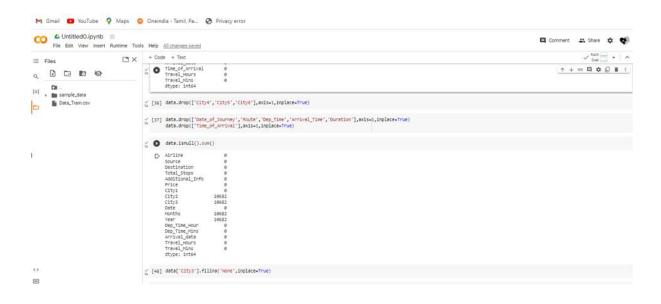


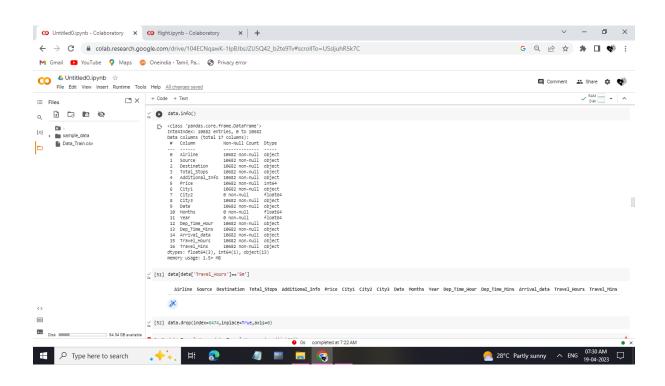




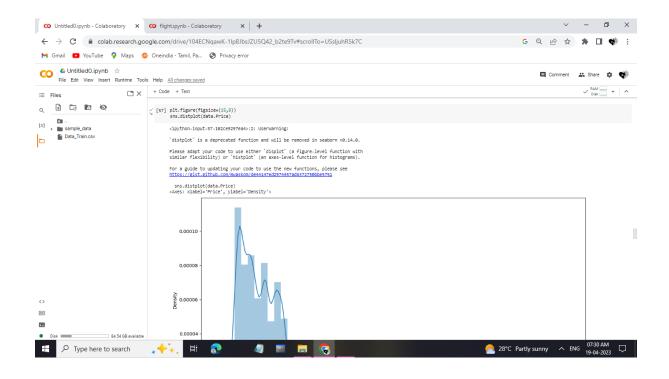


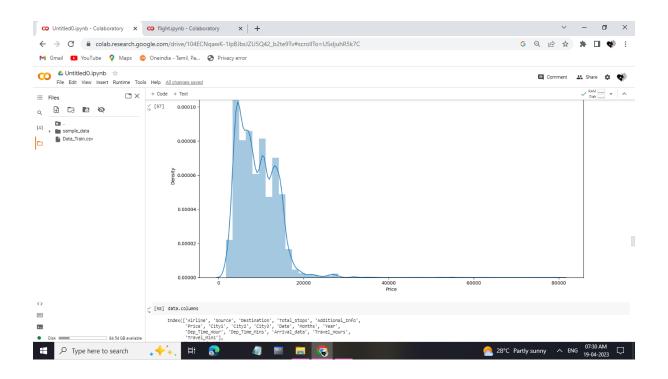




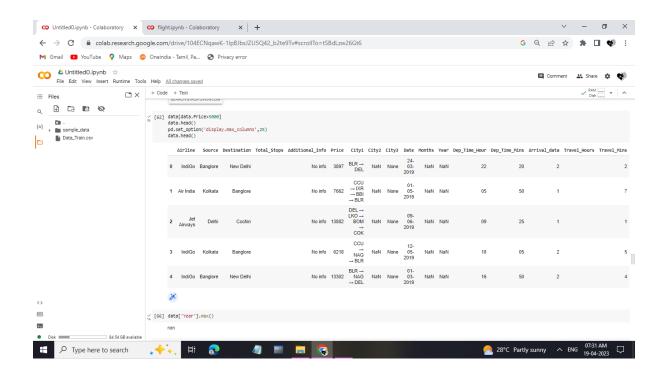


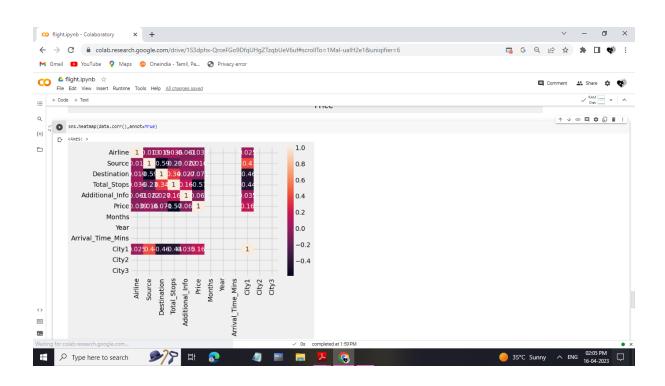


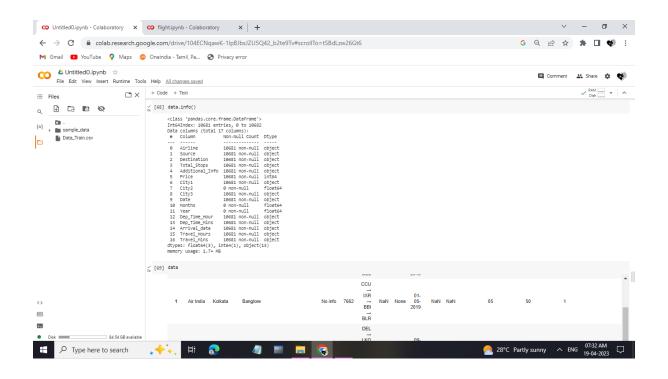


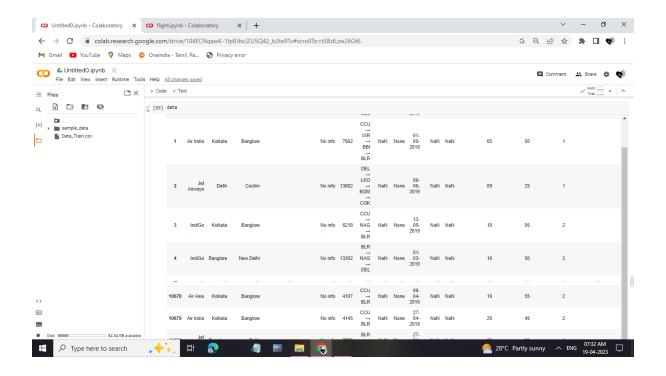


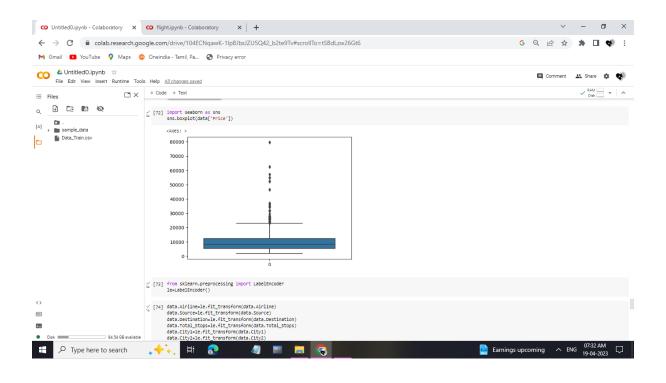


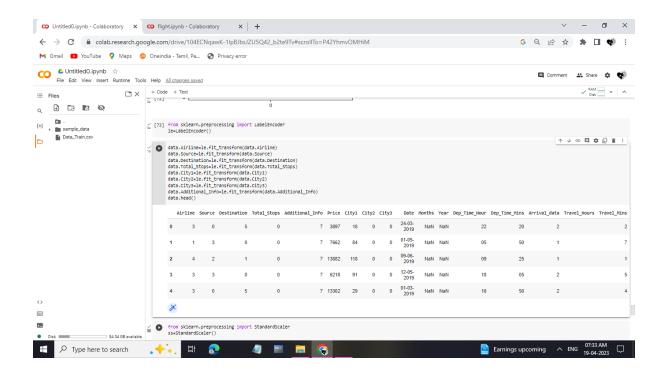












4 ADVANTAGES & DISADVANTAGES

Advantages:

- Easy to book tickets.
- Saves time and money.
- Provides every information about flight.
- 24/7 customer support through chat and calls.
- Mobile Availability.

Disadvantages:

- You need internet access. Reliable internet access is required to check reservations and add bookings that are made over the phone.
- You need to be ready for an influx of new customers.
- Not all online booking systems are created equal.

5 APPLICATIONS

- In this section, we will be building a web application that is integrated to the model we built.
- A UI isprovided for the uses where he has to enter the values for predictions.
- The enter values are given to the saved model and prediction is showcased on the UI.

• This section has the following tasks

- **❖** Building HTML Pages
- **❖** Building server side script
- * Run the web application

6 CONCLUSION

- Justify the creation of a national research program focused on the needs of airport operators;
- Reveal how such a program can play a role in helping airport operators meet the many demands of federal agencies, state governments, local communities, and airport users; and
- Provide guidance on governing, funding, and administering an airport research program.

7 FUTURE SCOPE

Emerging technologies are reshaping with robotics, artificial intelligence, the internet of things, unmanned aircraft systems and the push for hybrid and electric airplanes – just to name a few. Alternative fuels can significantly change the current scenario of aviation in support of the environmental protection.

8.APPENDIX

A. Source Code

