FLIGHT PRICE PREDICTION

SUBMITTED BY :

LAKSHMI PRANEETHA

ACKNOWLEDGMENT

This includes mentioning of all the references, research papers, data sources, professionals and other resources that helped you and guided you in completion of the project.

INTRODUCTION

BUISNESS PROBLEM FRAMING

Describe the business problem and how this problem can be related to the real world.

CONCEPTUAL BACKGROUND OF THE DOMAIN PROBLEM

Describe the domain related concepts that you think will be useful for better understanding of the project.

REVIEW OF LITERATURE

This is a comprehensive summary of the research done on the topic. The review should enumerate , describe, summarize, evaluate and clarify the research done.

MOTIVATION FOR THE PROBLEM UNDERTAKEN

Describe your objective behind to make this project, this domain and what is the motivation behind.

ANALYTHICAL PROBLEM FRAMING

MATHEMETICAL/ANALYTHICAL MODELING OF THE PROBLEM

Describe the mathematical , statical and analytics modelling done during this project along with the proper justification.

DATA SOURCES AND THEIR FORMATS

What are data sources, their origins , their format and other details that you find necessary ? They can be described here. Provide a proper data description. You can also add a snapshot of the data.

DATA REPROCESSING DONE

What were the steps followed for the cleaning of the data ? What were the assumptions done and what were the next actions steps over that ?

DATA INPUTS-LOGIC -OUTPUT RELATIONSHIPS

Describe the relationship behind the data input, its format , the logic in between and the output. Describe how the input affects the output.

STATE THE SET OF ASSUMPTIONS (IF ANY)RELATED TO THE PROBLEM UNDER CONSIDERATION

Here, you can describe any presumptions taken by you.

HARDWARE AND SOFTWARE REQUIRMENTS AND TOOLS USED

Listing down the hardware and software requirements along with the tools, libraries and packages used. Describe all the software tools used along with a detailed description of tasks done with those tools.

MODEL/S DEVELOPMENT AND EVALUATION

IDENTIFICATION OF POSSIBLE PROBLEM-SOLVING APPROACHES (METHODS)

Describe the approaches you followed, both statistical and analytical, for solving of this problem.

TESTING OF IDENTIFIED APPROACHES (ALGORITHMS)

Listing down all the algorithms used for the training and testing.

RUN AND EVALUATE SELECTED MODELS

Describe all the algorithm used along with the snapshot of their code and what were the results observed over different evaluation metrics.

KEY METRICS FOR SUCSESS IN SOLVING PROBLEM UNDER CONSIDERATIONS

What were the key metrics used along with justifications for using it ?

You may also include statistical metrics used if any:

VISUALIZATIONS

Mention all the plots made along with their pictures and what were the inferences and the observations obtained from those. Describe them in detail.

INTERPRETATION OF THE RESULTS

Give a summary of what results were interpreted from the visualizations , pre-processing and modelling .

CONCLUSION

KEY FINDINGS AND CONCLUSIONS OF THE STUDY

Describe the key findings, observations from the whole problem.

LEARNING OUTCOMES OF THE STUDY IN RESPECT OF DATA SCIENCE

List down your learning obtained about the power of visualization, data cleaning and various algorithms used. You can describe which algorithm works best in which situation and what challenges you faced while working on this project and how did you overcome that.

LIMITATIONS OF THIS WORK AND SCOPE FOR FUTURE WORK

What are limitations for this solution provided , the future scope and techniques can be followed to further extend to study and improve the results.