**University of North Texas**

**ADTA5130 Data Analytics**

Flight Price Prediction Project

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**Content**

1. Data Description---------------------------------------------------------------------------------
2. Exploratory Data Analysis (EDA)-------------------------------------------------------------
3. Research Questions ----------------------------------------------------------------
4. Analysis and Observation ---------------------------------------------------------
5. **Data Description**

**Dataset:** Flight Price Prediction

**Data size:** 10,000

**Variable:** 21

1. **Exploratory Data Analysis (EDA)**
2. Research Questions

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1. Distance: Does fight distance have an impact on flight price?
2. Day of week: which day of the week is expensive to fly?
3. Class type: what is the flight price difference in class type?
4. Holiday Period: As most people travel in the USA during the holiday season, is the price different during the holiday season from normal seasons?
5. Weather condition: how do weather conditions affect flight prices?
6. Meal: when a flight includes a meal in their service does the flight price change?
7. Analysis and Observation

Example ques3ons could focus on how to flight

pries vary by airline or class type, what is the impact of flight dura3on and distance on

pricing, how do 3me factors (day of the week, 3me of day, advance booking days) affect

Develop five research

ques3ons.

Perform the analysis and write a detailed descrip3on of the results and what they

mean (how you would use them).