**Project Title:** When is the best time to visit the major cities in Canada domestically

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**Project description/outline**

The purpose of this project is to figure out the time period within a year is the best time to visit the four major cities; Vancouver, Toronto, Montreal and Halifax in Canada. Based on the weather conditions, tourism activities, flight cancellations and delays, and flight prices.

**Research questions to answer**

* What dates in a year do more flights get canceled/delayed due to extreme weather patterns?
* What season do we have more visitors to Canada ?
* Which month is the cheapest flight to visit the cities relative to the ten year data frame?
* Are prices higher during periods of higher tourism traffic?

**Datasets to be used**

1. Flight cancellations and delays major airports in the cities
2. Amount of visitors to the cities
3. Weather patterns for the cities
4. Flight prices for the major airports in the cities

**Rough breakdown of tasks**

Task 1: find the datasets listed above

Task 2: clean and prepare the datasets

Task 3: merge the datasets to find correlations between each

Task 4: analyze the data to see if the research questions can be answered or figure any biases within the dataset

Task 6: prepare visualization of the datasets

Task 6: create powerpoint with the data information for the presentation