Project Title: Flight Cost Analysis

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Project Description/Outline:

Pulling form flight tracker API data, we would like to do an analysis with the central question,

Does the cost of airline fares impact domestic travel?

Source:

<https://www.transtats.bts.gov/>

Bureau of Transportation Statistics

Avg Fair Cost for 2016,2017,2018 by Airport, City, State, Avg Fare, Number of Passengers

Measures:

Where and When?”

Calculate air distance and flight times between airports

* [Ask-A-Librarian](http://transportation.libanswers.com/)
* [A-Z Index](https://www.bts.gov/browse-statistical-products-and-data/bts-publications/z-index)

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“Who is Going

using social economic metrics

verses popularity of travel destinations.

Research Questions to Answer:

- Is there a correlation between wealth and traveling internationally vs. domestically?

- Do people of different SES travel to diff locations during different times of the year?

- Compare flight patterns to how expensive the flights are during different times of the year

Data Sets to be Used:

- Flight Tracker API (through google)

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- Census Data (for various ways to measure SES)

Rough Breakdown of Tasks:

- Find good sets of Data

- Re-structure central questions based on quality of data found

- Define metrics for measuring variables decided after re-structing questions

- Figure out what stats tests we want to run and figure out outline of code

- Code ?