**Proposal for the final project**

Submit a short (1/2 to 1 page) proposal that outlines and describe your plan for the final project. The proposal should discuss the following aspects of the project:

* the data set(s) you wish to use in the project,
* the questions that you want to explore
* the analysis methods and techniques that you will use
* how the above items satisfy the requirements outlined in the final project description

**A Traveler’s Guide for National Parks in the US**

# 0. Team Members

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# 1. Introduction

There are many national parks in the United States. Each have their own characteristics and attract a large number of tourists to visit each year. What we want to study is to rank these parks based on the comments on different national parks posted by tourists on their social media, Specifically, Twitter. After that, we will display and analyze the basic information of the top ten parks, such as surrounding accommodation, food and local economic conditions, and information related to air tickets and weather, so as to give suggestions to tourists traveling from Philadelphia during the Christmas holidays.

# 2. Data

Twitter API data (with a topic of the name of each National Park)

Tourist Number data from 1904 to 2016: <https://data.world/datasets/national-parks>

US county shapefile data: <https://www.census.gov/geographies/mapping-files/time-series/geo/carto-boundary-file.html>

NPS data portal: <https://public-nps.opendata.arcgis.com/>

Park Boundary data:

<https://irma.nps.gov/DataStore/Reference/Profile/2224545?lnv=True>

# 3. Analysis Methods and Techniques

# 4. Satisfying the Outlines