DSC540 Term Project

Milestone 1

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My term project will be on UFO’s, or unidentified objects. This will not be in the alien sense but rather meteorites, tracking all the meteorites and other foreign objects that land in space.

API Data source

<https://data.world/us-nasa-gov/7b9ea31d-de57-421d-a928-0c6a7bbf534c>

API call to NASA’s meteorite tracker

HTML Source

<https://en.wikipedia.org/wiki/List_of_largest_meteorites_on_Earth>

HMTL Wikipedia page of the largest known meteorites

Dataset

<https://www.kaggle.com/datasets/nasa/meteorite-landings>

CSV from Kaggle on a list of meteorites

I will be doing analysis and building a case study on meteorites that have landed on earth in the last few 100 years. This will be done by comparing meteors from several decades at a time, looking at their classification and size, and comparing the locations in which they land. The way I will be able to link all the data sets is by using the name column. In all three of them there is a column that identifies the name of the meteorite, with all of its other historical information. This will allow me to combine the data sets based on this one field, find, and remove duplicates, and do the data munging I plan to do.

Some questions I plan to ask are what areas seem to be hit more often by meteors, what is the frequency of a large on hitting earth. Also, what decades seem to have the most activity. Some issues I might change is the different fields in the data sets and the information captured, but I should be able to extract some relevant and similar information like the years of each data point and size to do my analysis.