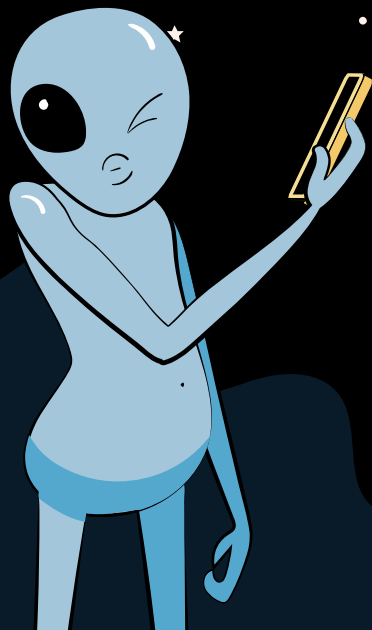


UFO Sightings in 2016



Amber Aeschbach, Layla Burgan and Clare Sakauye

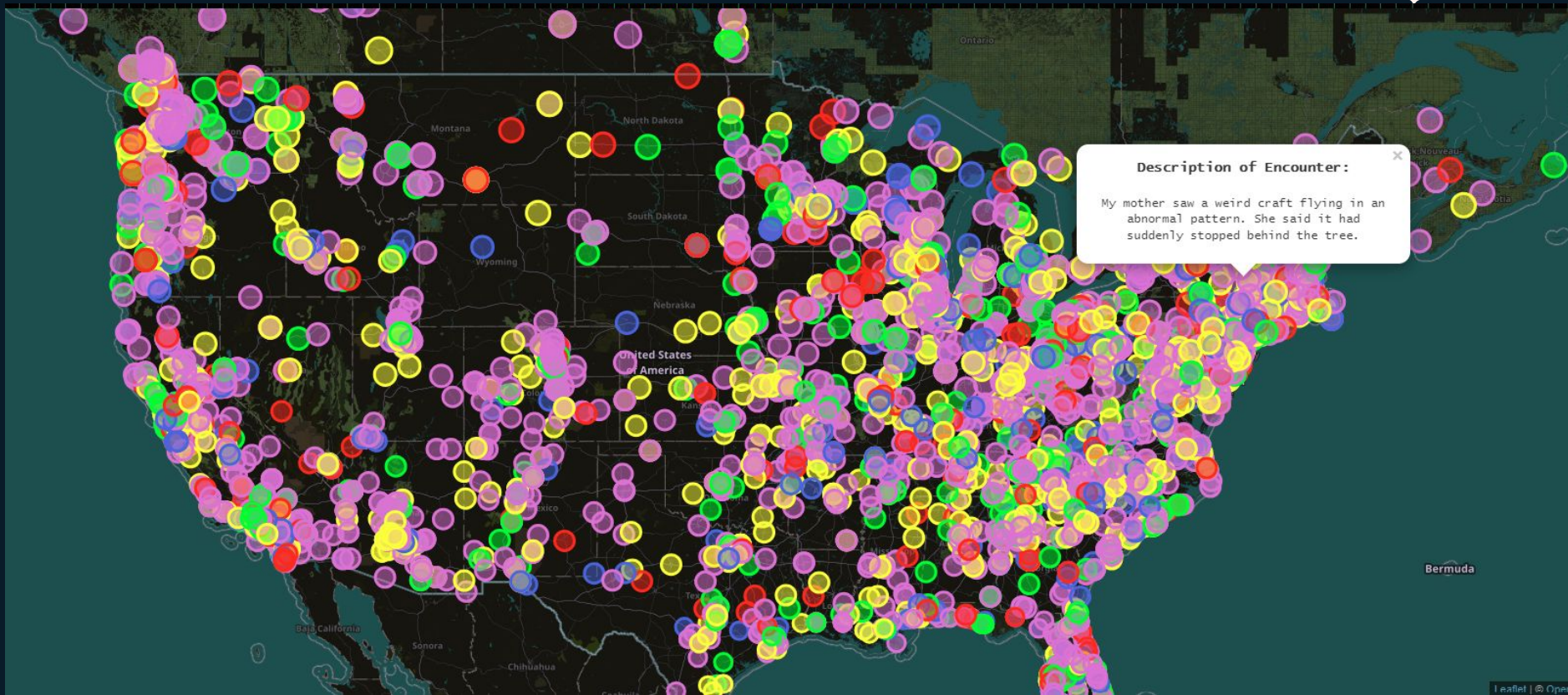
Background

- ★ In this project, we focused on UFO sightings in the United States and Canada in 2016
- ★ We used a dataset from Kaggle that includes over 5,000 observations
- ★ Throughout our research, we focused on the location of sightings, their descriptions, and trends we discovered in the data

Methods Used

- 1) Cleaned the data using Pandas
- 2) Imported the data into a PostgreSQL database
- 3) Used SQLAlchemy to create a Flask app and host an API with Jsonified data
- 4) Read the data in using D3
- 5) Used Leaflet to create an interactive map with a drop down to display sightings of the different UFO shapes
- 6) Used Chart.js to create three graphs depicting...
 - a) Most Popular UFO Shapes
 - b) Most Common Sighting locations
 - c) Sightings by Month
- 7) Created a webpage to display our results



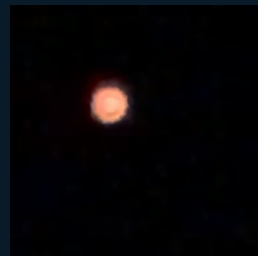


Most Popular UFO Shapes

★ Lights



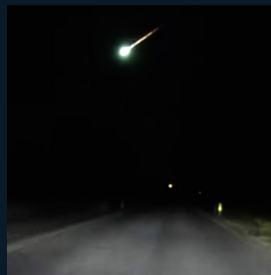
★ Circles



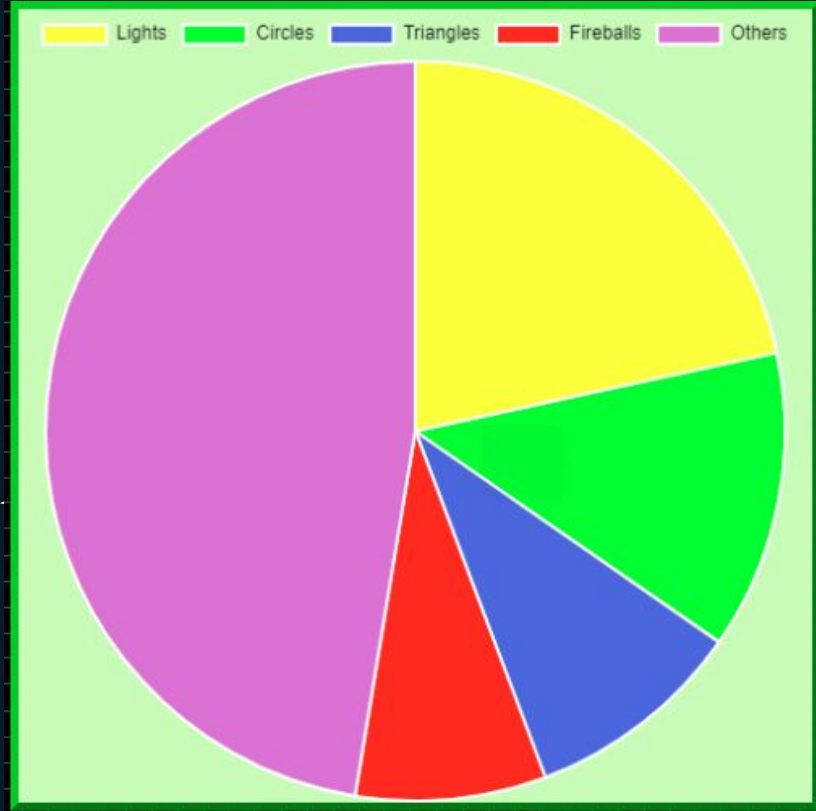
★ Triangles



★ Fireballs

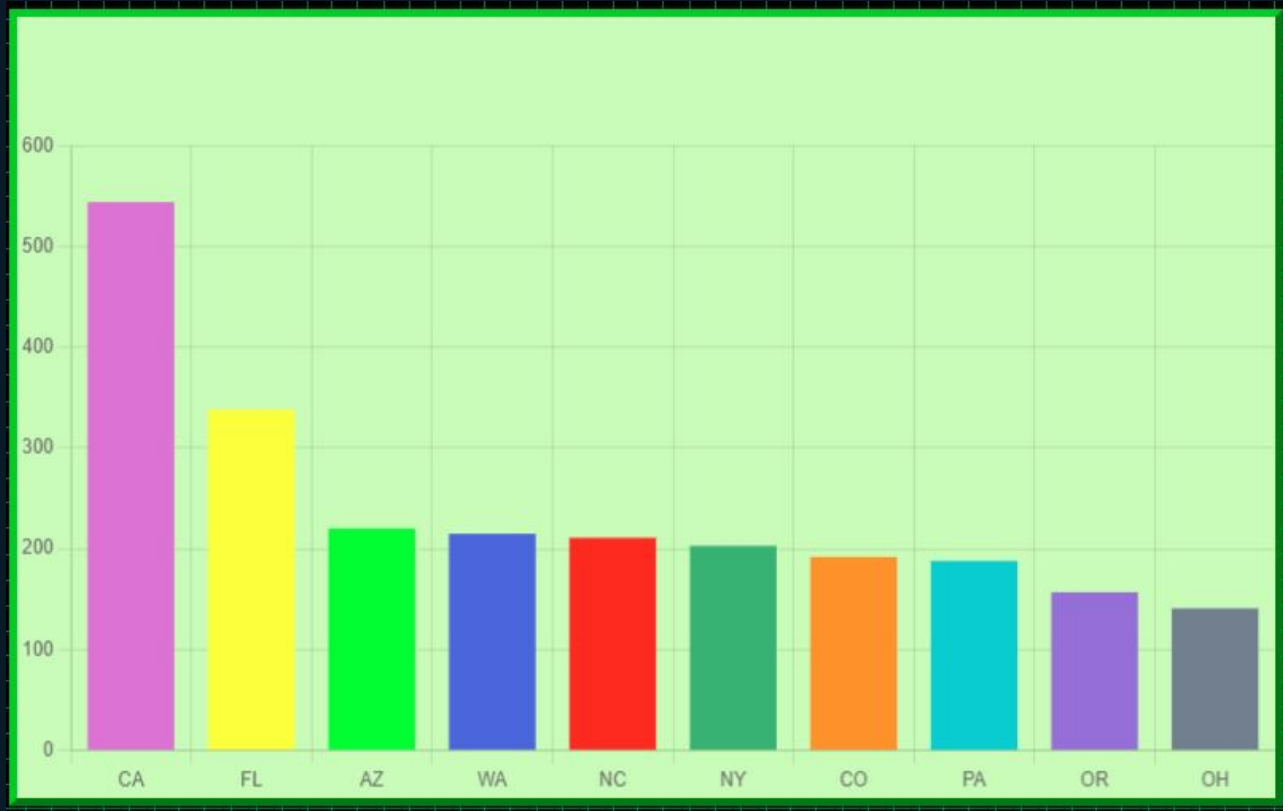


Most Popular UFO Shapes



- ★ Others includes many other UFO shapes insignificant in individual groups

Most Common Sighting Locations



2016 Sightings by Month



The Result

Conclusion



- ★ California had the most UFO sightings in 2016 at 544
- ★ Florida (338), Arizona (220), Washington (215) and North Carolina (211) had the next most sightings
- ★ Based on population, it makes sense that the more populous states would have the most UFO sightings
- ★ Light was the most sighted UFO shape at 1,117 followed by circles, triangles and fireballs
- ★ July had the most UFO sightings and December had the least
- ★ More people are outside in July due to warmer weather, leading to more sightings

