



# Reported UFO Sightings from 1910 to 2014

What are they hiding from us?

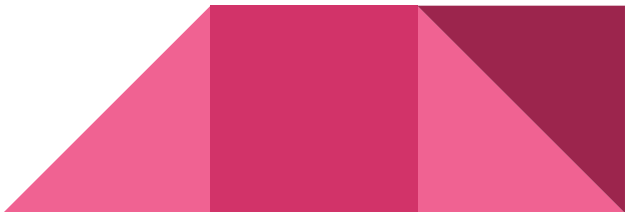
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# Introduction

As a group, we decided to look at a dataset we all agreed would be fun to work with

We found a dataset that looked at the reported UFO Sightings from 1910 to 2014.


This dataset was inspired by the following:

- What areas of the country are most likely to have UFO sightings?
  - Are there any trends in UFO sightings over time? Do they tend to be clustered or seasonal?
  - Do clusters of UFO sightings correlate with landmarks, such as airports or government research centers?
  - What are the most common UFO descriptions?
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# Purpose

Our main objective for exploring this data was to find if the UFO sightings around the world were related and if any information from the dataset would support the relationship between these UFO sightings

There were a few characteristics from the dataset that would allow us to accomplish this. Such as;

- Shapes
  - Comments on the UFO sightings
  - Date and time of sightings
  - Location of sighting
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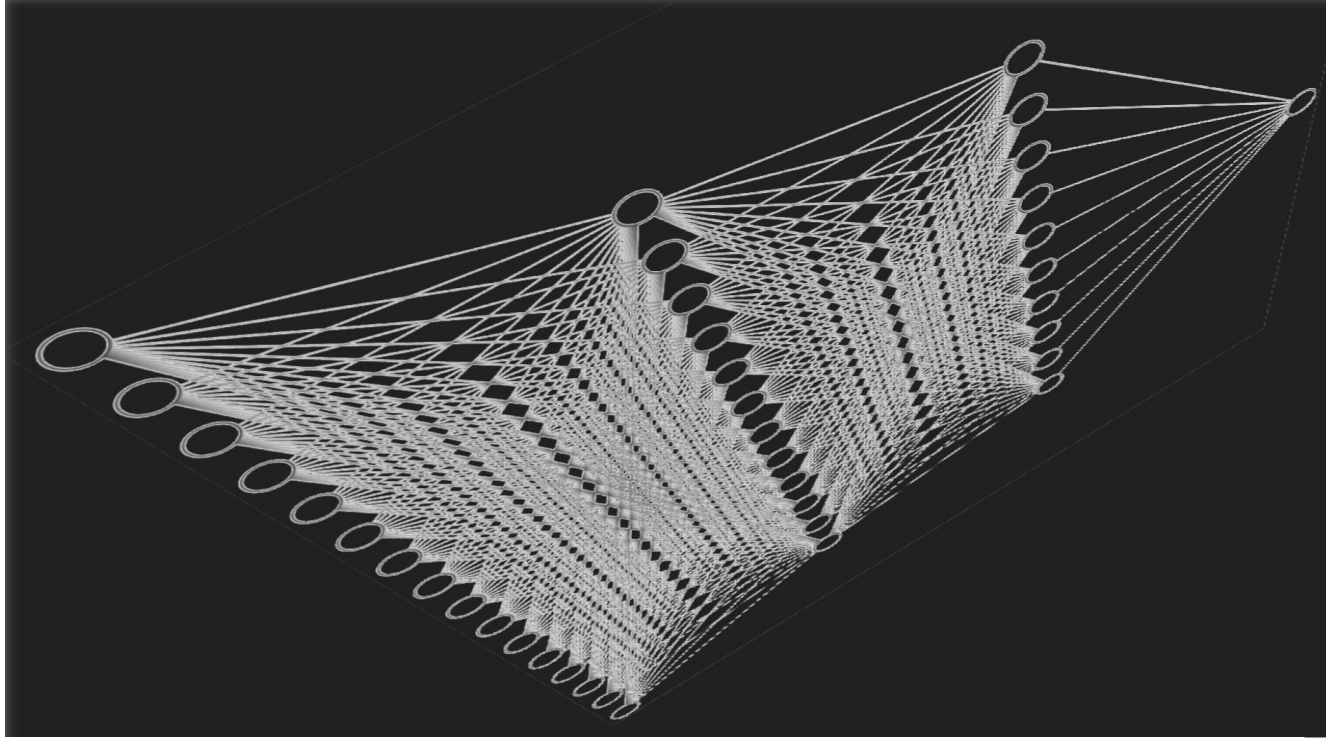
# Significant sightings based on relation

After analyzing more than 80k observations on UFO sightings, there were five interesting dates.

On five dates, more than ten witnesses from over two counties reported UFO encounters. Coincidence?



# Random forest



# Reported Shapes and Dates Analysis

Total count of reported shapes for the most active date in the dataset

Most Active date - *July 4, 2010 22:00.*

Most reported Shape: *Fireball*

Analysis points:

- July 4 American independence day
- Firework Celebrations



# Total Sightings per year



A line chart showing a timeline of all the sightings from 1910 to 2014 sorted by year.

Looking to draw conclusions for our analysis

As expected, the number of reported sightings gradually increases throughout the years and reaches its highest point in 2013

Technology advancements such as cellphone video/picture allow for capturing better quality images for these reports

Line chart also created to allow for user to look at any given date if there is an additional analysis the user may want to complete



# Historical events that influenced reports of Shapes

Three major historical events that may have influenced the reports of shapes for each sighting:

- Televisions becoming common in American Homes
- Apollo 11 (Man landing on the moon)
- The release of the first star wars movie - *"A New Hope"*

Looked at one year following each of these events

**Most reported shape - disk**

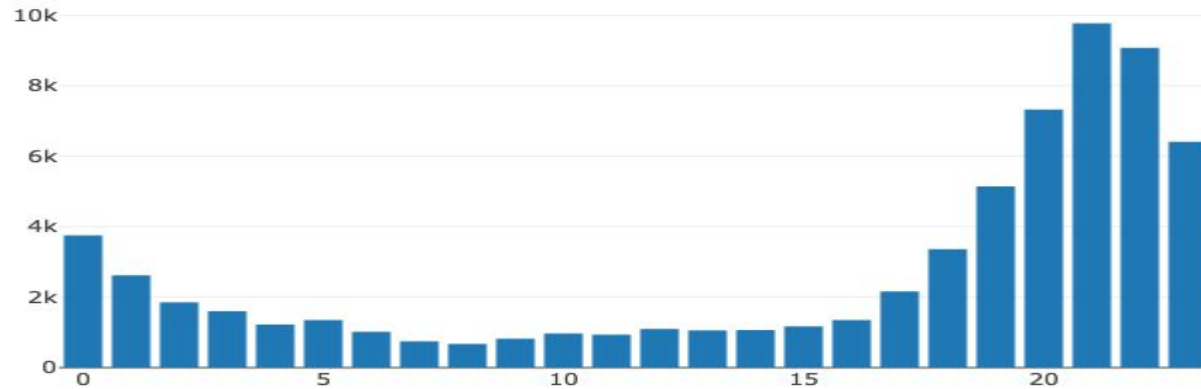
Millenium Falcon in the shape of a disk

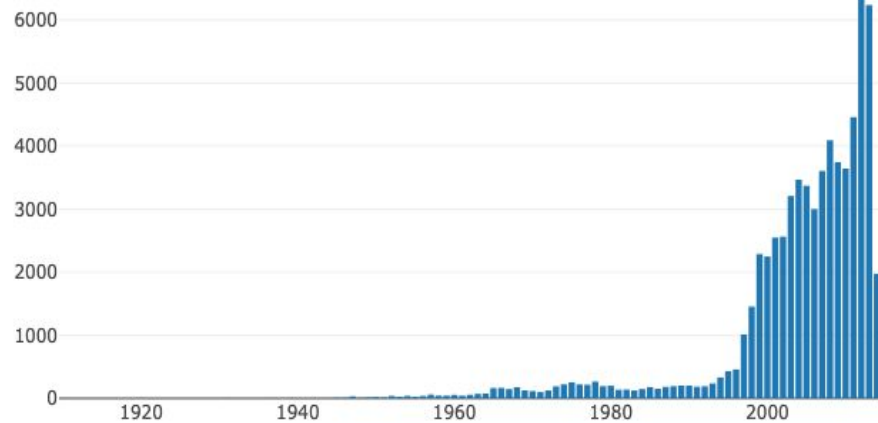
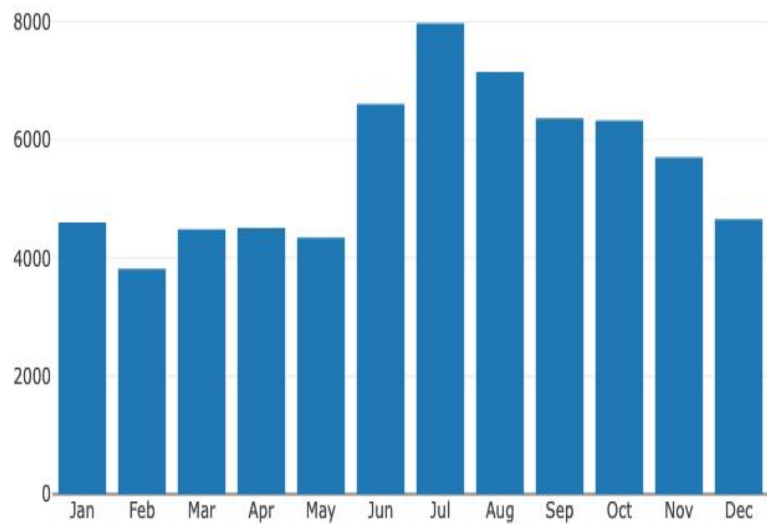




# Frequency of Observations

Analysis of frequency of each observation with respect to day, hour, and year





## **United States, the most reported sightings**



## **The creation of TV and its expansion throughout the United States.**



# Conclusion



After our analysis we do believe that each of these sightings have the potential to be related and support each others validity based on shapes, dates, and comments of the sightings

Also recognized that certain events or other factors may have influenced individuals reports of these sightings

Impossible to say for sure if UFOs and extraterrestrials do actually exist

Follow this link to a CNN video report discussing the U.S. government announcing they have found evidence of extraterrestrial life:

<https://edition.cnn.com/videos/us/2023/07/29/smr-is-government-hiding-ufos.cnn>

Thank you for your attention!

Any Questions?

