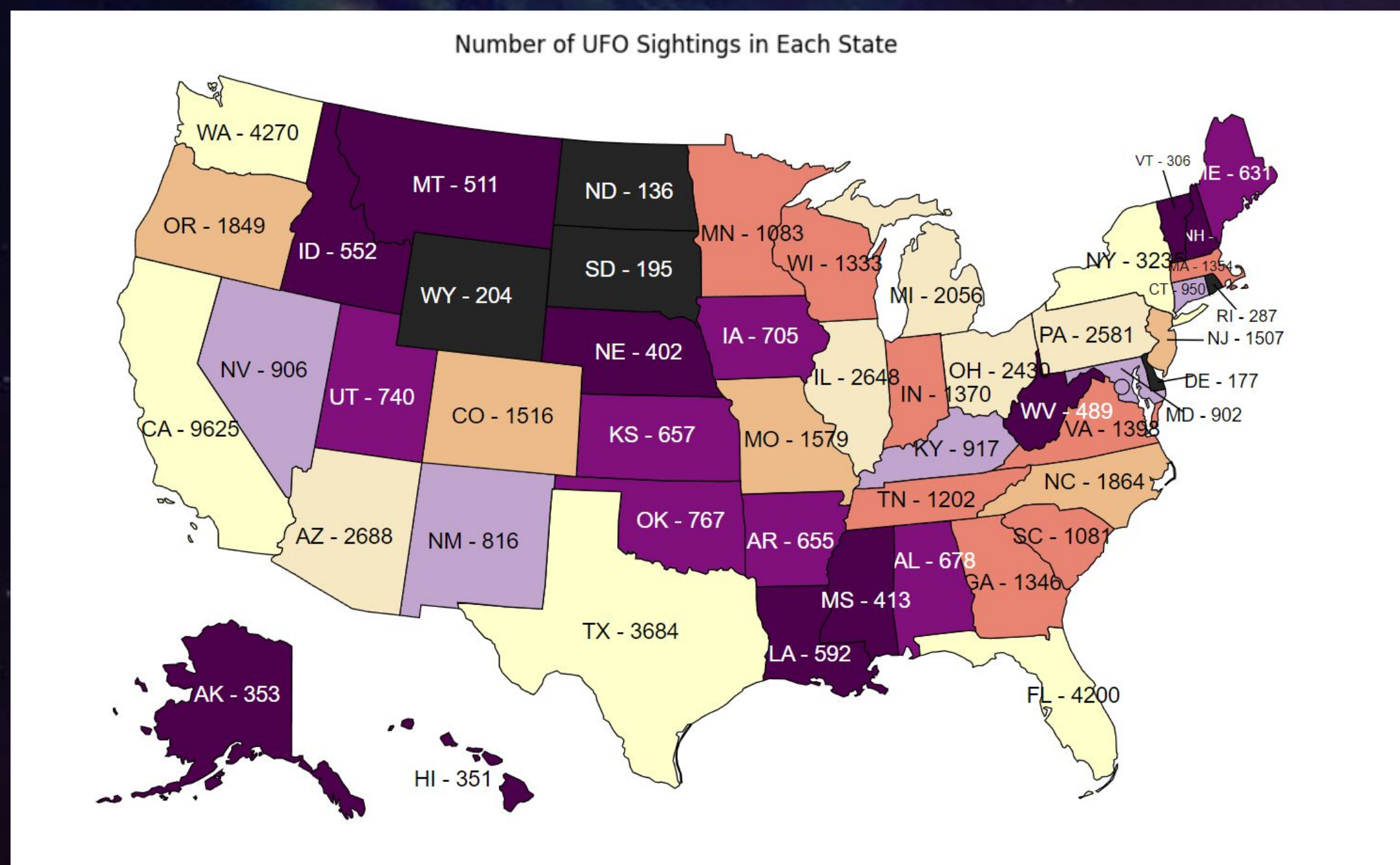


Project D4: UFO Sightings

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Motivation and Goal

In sci-fi films, UFOs commonly target the USA, portraying it as the global focus. To analyze sightings, we've narrowed our scope to the United States and develop predictive analysis for future sightings.



Approach

- Data Collection
- Data Cleaning and Preprocessing
- Visualization
- Model Building
- Validation and Testing

Methods and Tools Used

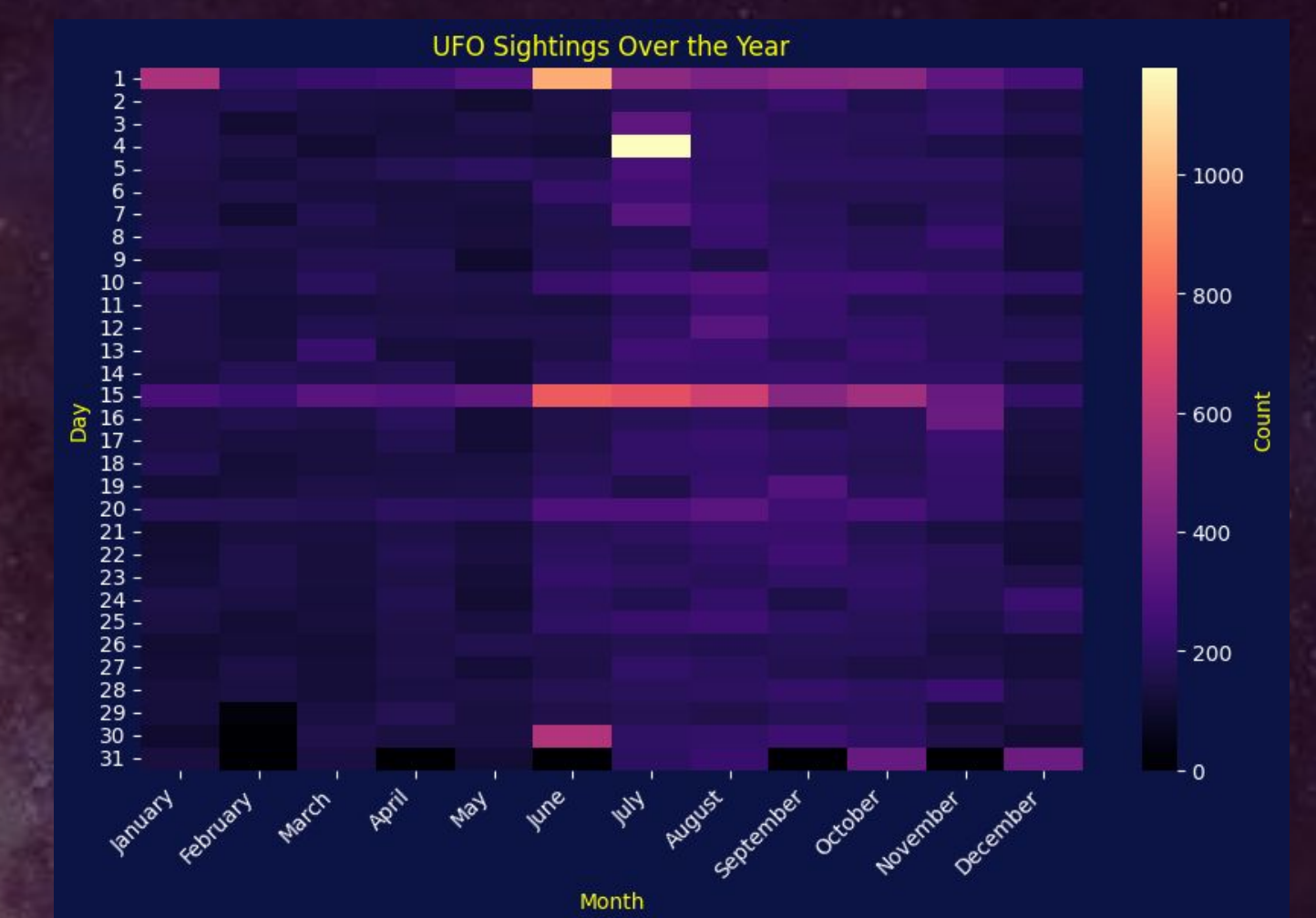
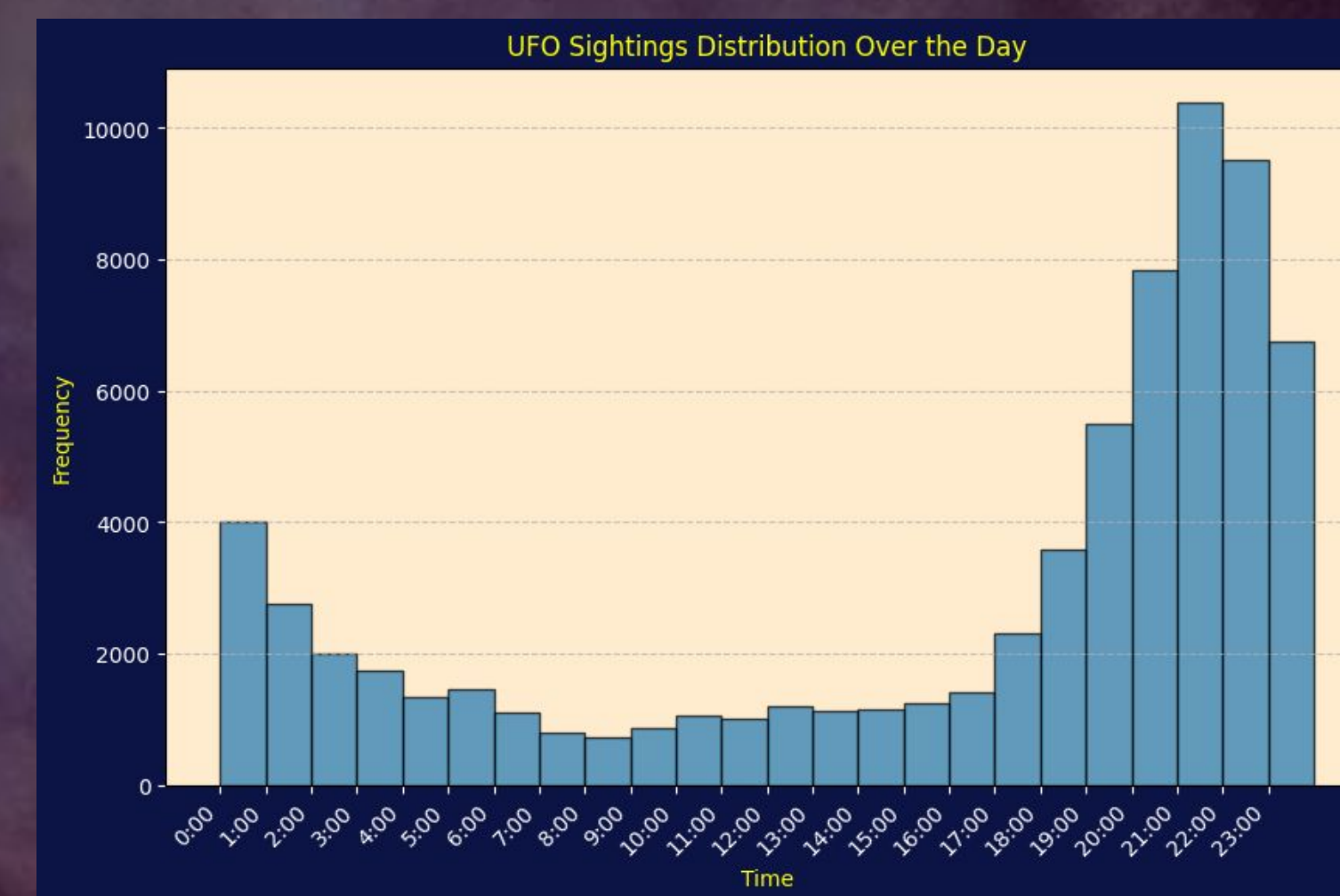
- Using algorithms to enable systems to learn and make prediction
- Analyzing and extracting insights from human language data.

Data

- Used datasets sourced from Kaggle
<https://www.kaggle.com/datasets/willianoliveiragibin/ufo-sightings>
<https://www.kaggle.com/datasets/NUFORC/ufo-sightings>.
- Needed lots of preprocessing before both were normalized to unison format.
- Percentage of overlap was 94.66%.

Exploration Highlights

- Most of UFO sightings last for some minutes
- Most commonly are UFOs appearing on 4th of July
- UFOs are often active during the late hours of the day.



results and conclusions

- The relationships between the selected parameters were too vague to be classified
- Language models were successful in guessing correctly only half of the time.