

UFO ANALYSIS REPORT

Unveiling UFOs: Tales from the Cosmic Unknown

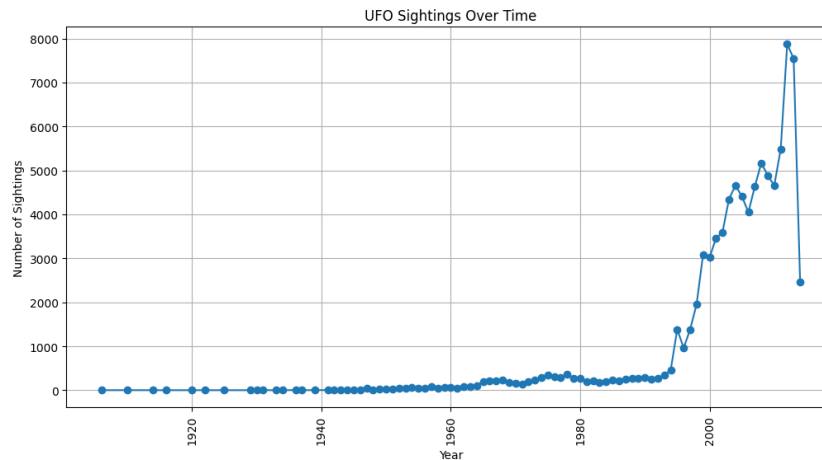


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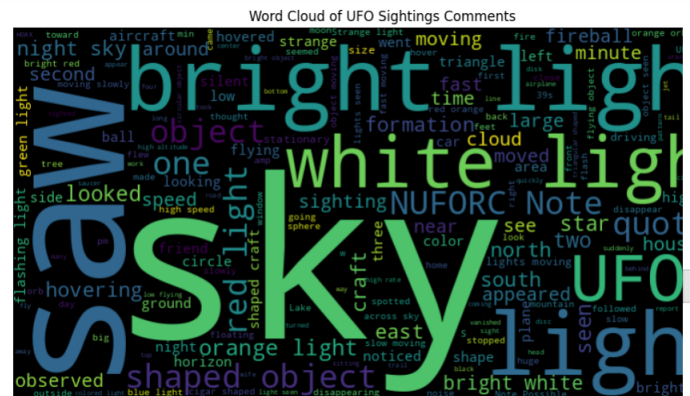
Data Science Report

INTRODUCTION

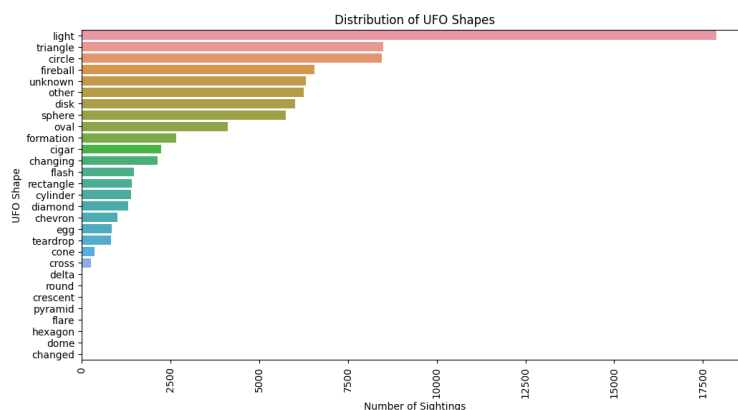


As shown in the line graph on the left, UFO sightings have drastically increased in the 21st century. It is critical for experienced data analysts to analyze and compare the different UFO sightings.

The total number of UFO sightings since 1900 has been 88,875 sightings. There are 5 unique countries with sightings reported. These countries include the United States, Canada, United Kingdom, Australia and Germany. This is in order of the most sightings seen per country, United States is listed first at 70,000 sightings out of the 88,875. On the right, you can see the most popular comments associated with UFO sightings. Visually, these descriptive words can help you visualize.



UFO SHAPES



Comparing the shapes of UFOs is important because it can identify patterns and distinguish between different types of sightings, which may contribute to a better understanding of unexplained aerial phenomena. The shape Cone has the highest mean sighting at 71343 seconds and

dome was the lowest on average duration at 2 seconds. However, the light is the most popular UFO seen and the cross is the least popular UFO seen, as shown in the graph above.

COMPARING LIGHT & CROSS UFO SHAPE

Variables	Definition	Analysis
t-statistic	difference between the means of the two groups (mean duration of "light" sightings and mean duration of "cross" sightings)	2.07
P-value	represents the probability of observing the data if the null hypothesis is true	0.0385
Null hypothesis	the null hypothesis would be that there is no significant difference in the mean durations of "light" and "cross" UFO sightings	REJECT

The statistical test provides evidence to support the idea that there is a significant difference in the mean durations of sightings between these two shapes. The difference is statistically significant at the chosen significance level, suggesting that there may be a meaningful distinction in the duration of UFO sightings between "light" and "cross" shapes. The p-value of 0.0385 is less than the significance level (often set at 0.05), indicating that the probability of observing such a difference in mean durations by random chance alone is relatively low. These findings may have implications for researchers and UFO enthusiasts. They may want to investigate why certain shapes of UFOs tend to have longer or shorter durations of sightings, which could potentially lead to further insights into UFO phenomena.