Braulio Piña Amaros

X-FILES PROBLEM

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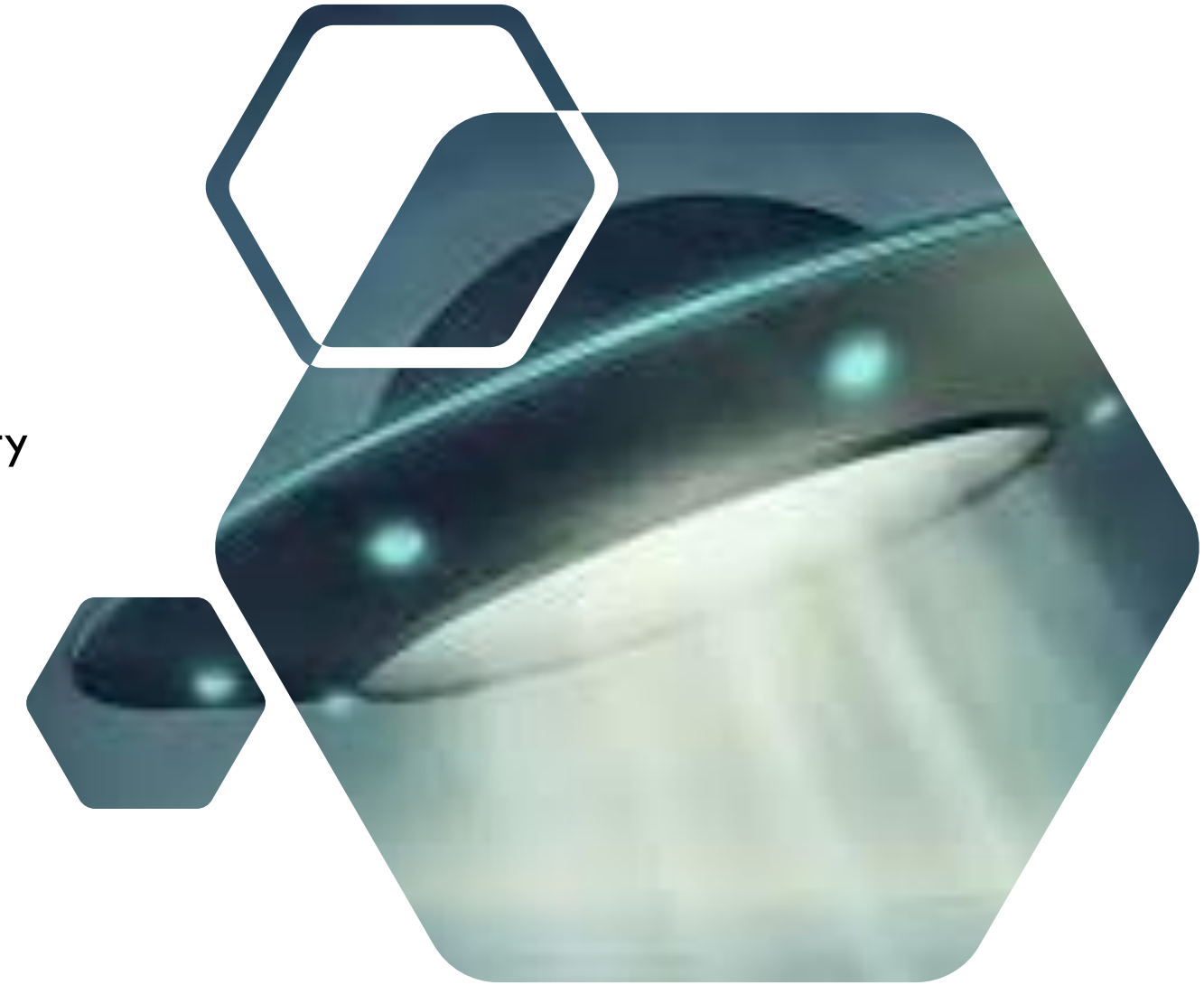
We want to make estimations about the probability of seeing an U.F.O.

Where these events have a higher probability to occur.

Where we will be able to find people to interview who claim sightings.

What time of the year and of the day these events appear with more probability



UFO-SIGHTINGS DATASET PREVIEW

	datetime	city	state	country	shape	duration (seconds)	duration (hours/min)	comments	date posted	latitude	longitude
0	10/10/1949 20:30	san marcos	tx	us	cylinder	2700	45 minutes	This event took place in early fall around 194...	4/27/2004	29.8830556	-97.941111
1	10/10/1949 21:00	lackland afb	tx	NaN	light	7200	1-2 hrs	1949 Lackland AFB&#44 TX. Lights racing acros...	12/16/2005	29.38421	-98.581082

PROFILING OF DATA COMPLETENESS AND QUALITY

Null values found in:

COLUMN	FILLED WITH
State	??
Country	??
Shape	Unrecognizable
Comments	No comment

We changed “datetime” format.

We convert “latitude” into a numeric value.

Now, we have 80332 non-null lines to work with.

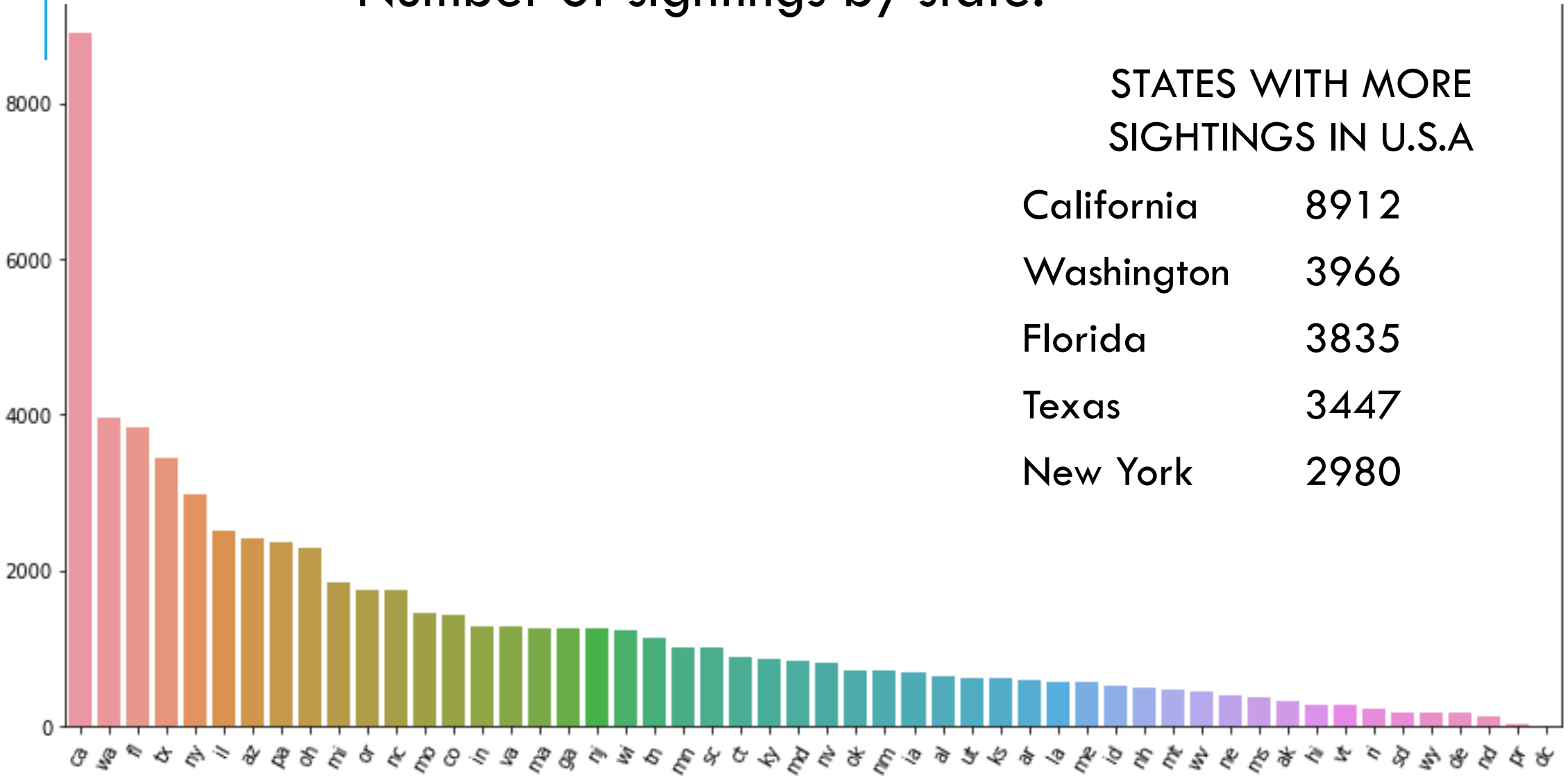
DESCRIPTIVE ANALYSIS AND SUMMARY STATISTICS

Sightings of U.F.O. by Country

COUNTRY	PERCENTAGE
U.S.A	81.05%
??	12.03%
Canada	3.73%
Britain	2.37%
Australia	0.66%
Germany	0.13%

Analyzing sightings of the United States

Number of sightings by state:

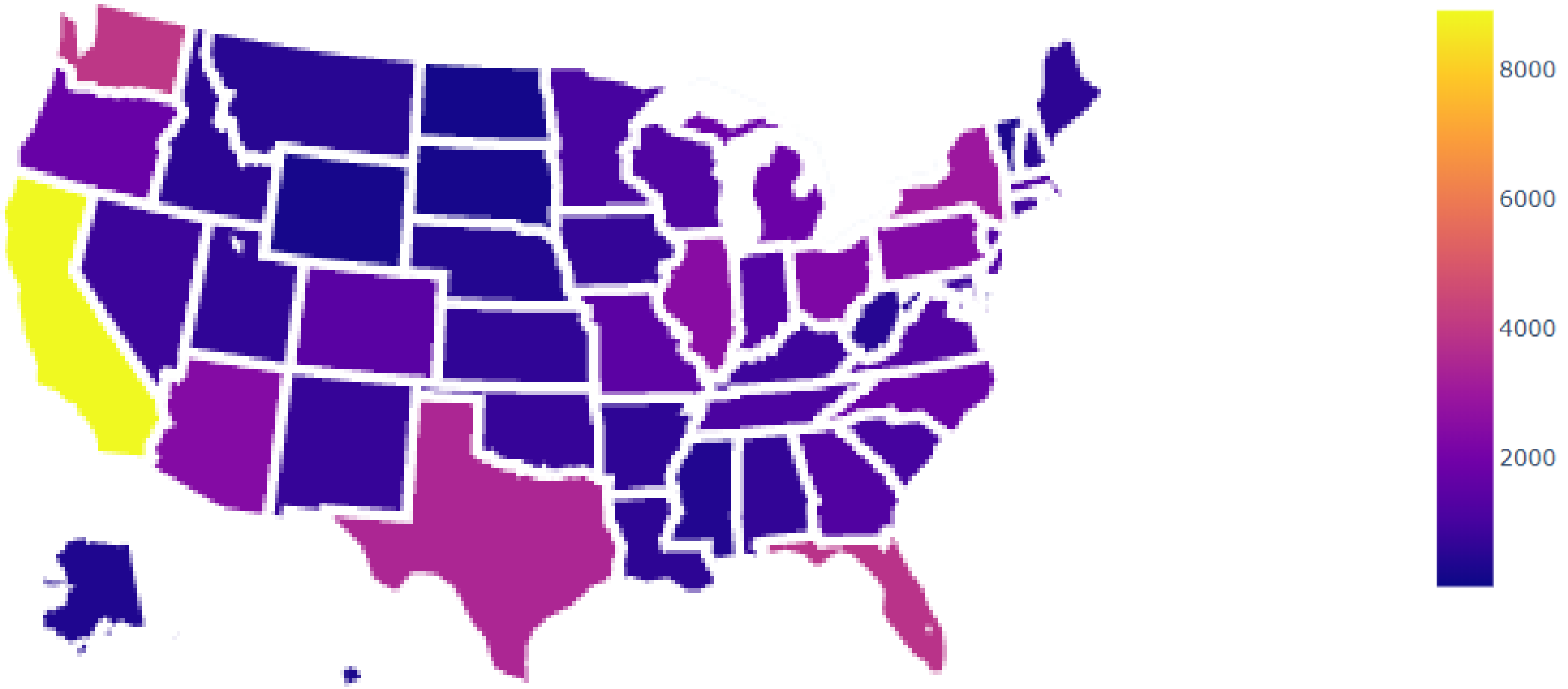


STATES WITH MORE SIGHTINGS IN U.S.A

California	8912
Washington	3966
Florida	3835
Texas	3447
New York	2980

In a map

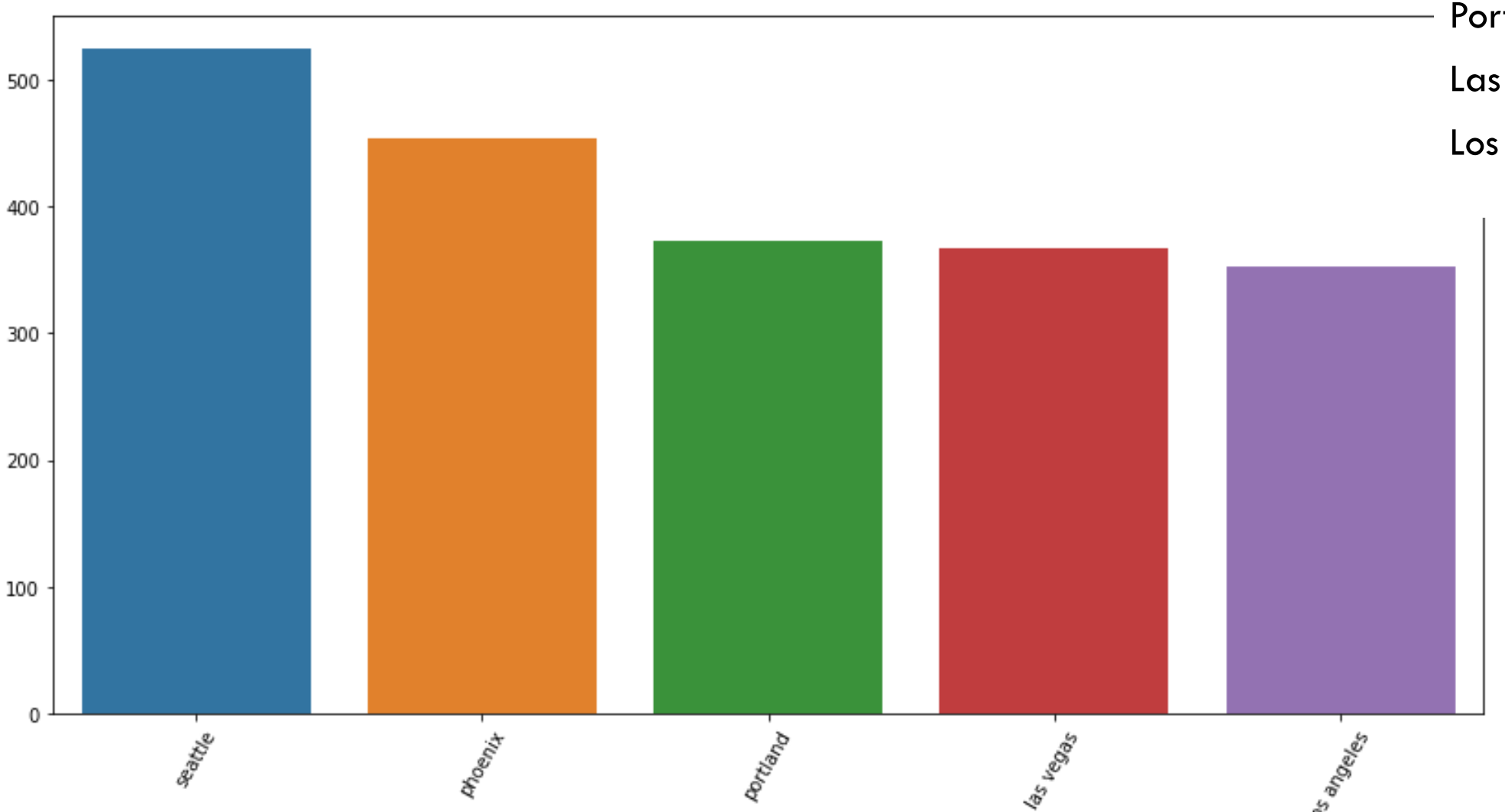
Numbers of sightings by state



CITIES IN THE U.S.A WITH MORE SIGHTINGS

CITIES WITH MORE SIGHTINGS IN U.S.A.

Seattle	524
Phoenix	454
Portland	373
Las Vegas	367
Los Angeles	352

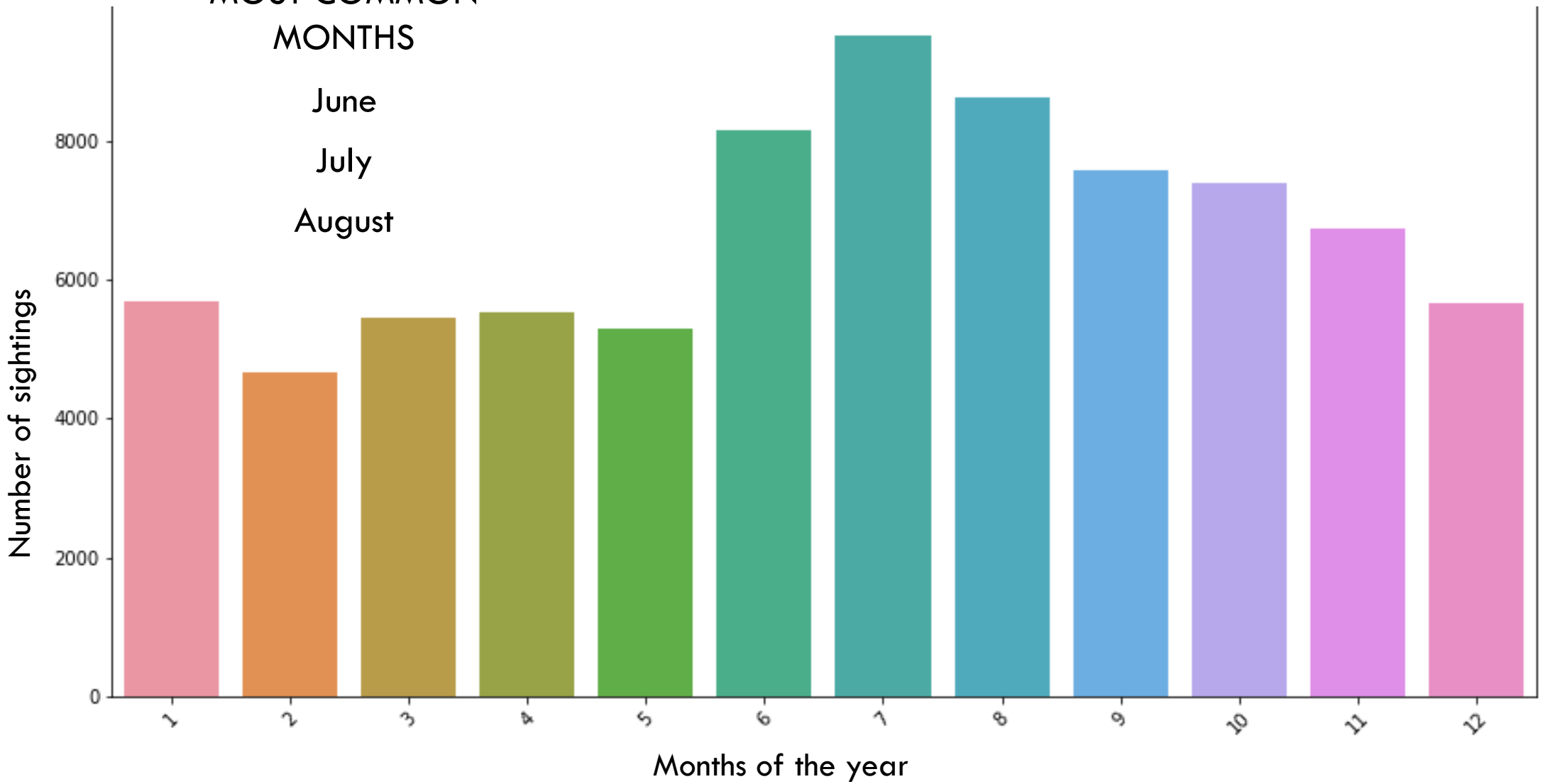


MOST COMMON MONTHS

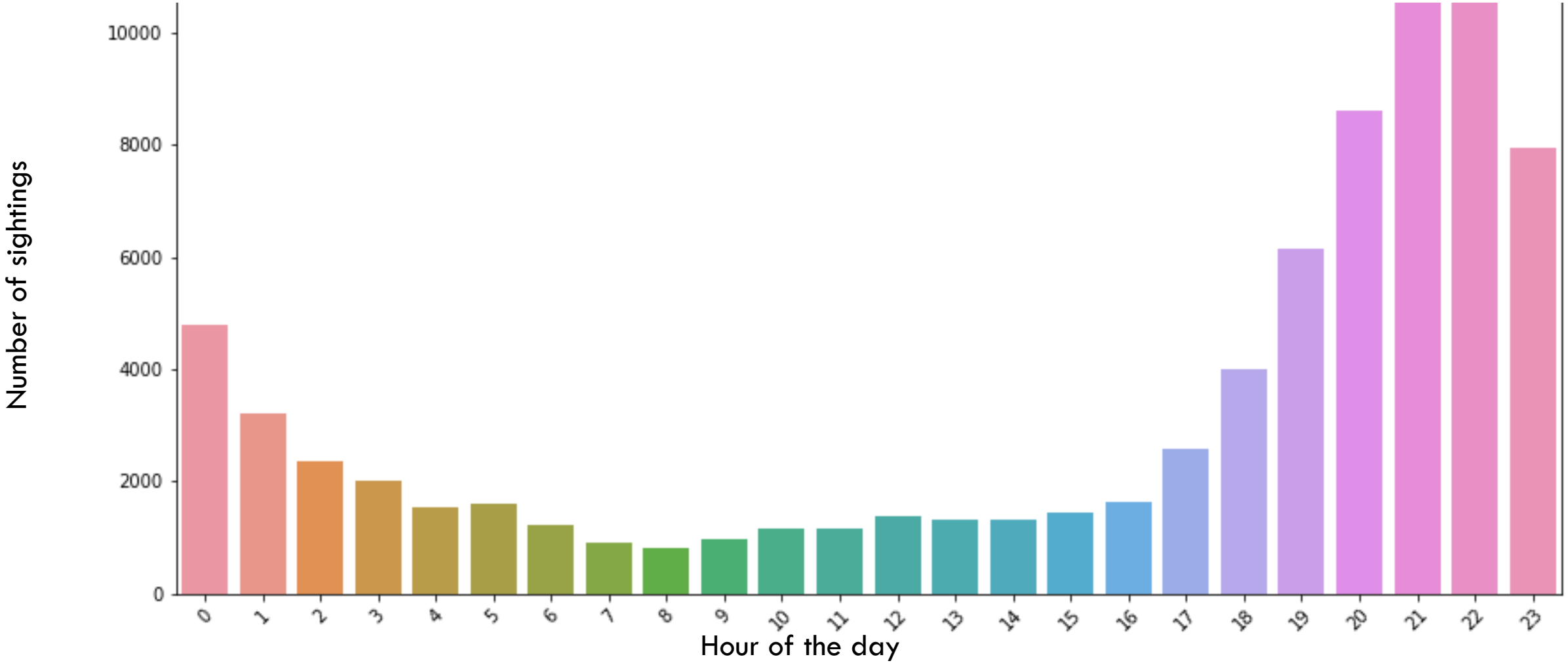
June

July

August

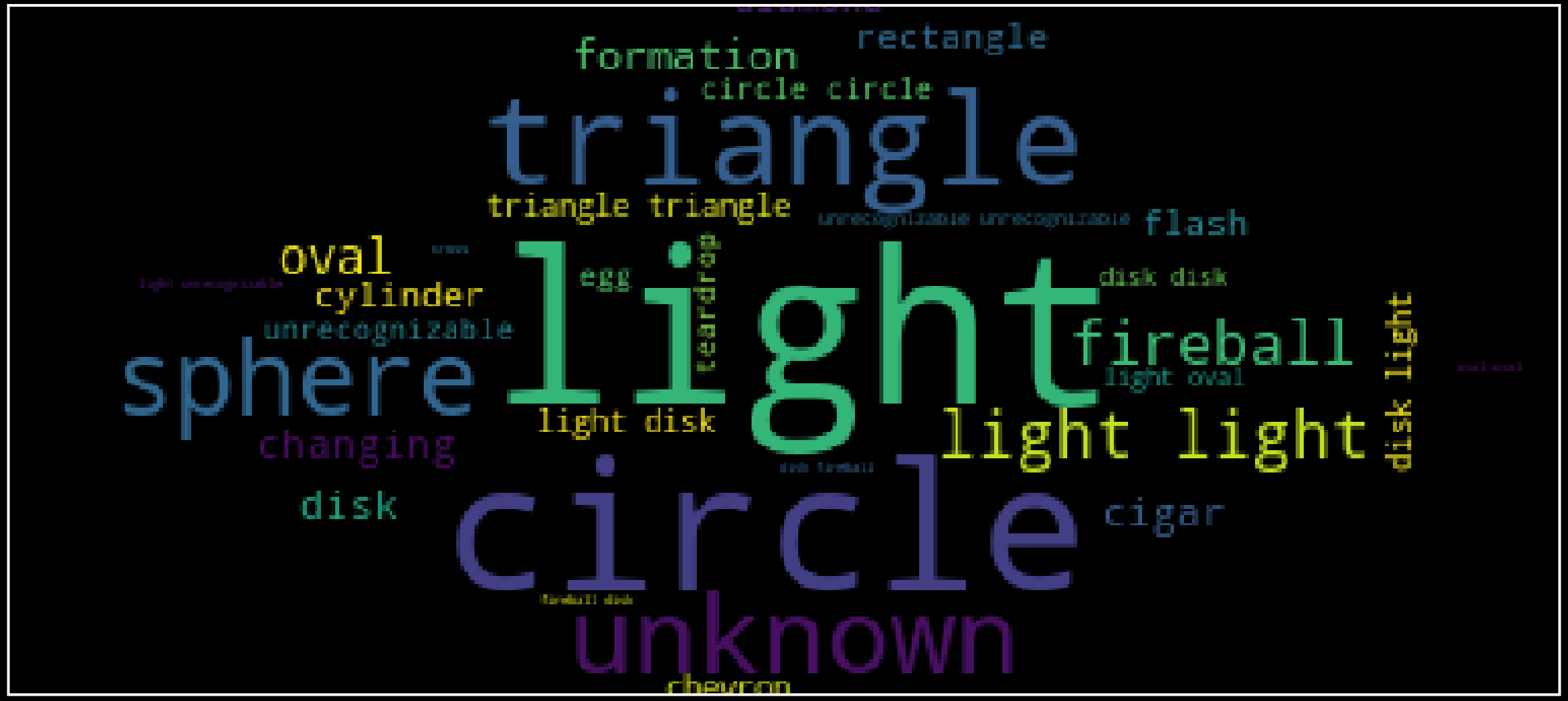


SIGHTINGS OF U.F.O. PER MONTH



SIGHTINGS PER HOUR

We made a poster with the most comon shapes reported in ufo sightings…



POSTER OF THE MOST COMMON SHAPES

IN SUMMARY

You have a higher probability of seeing an U.F.O.:

- At night, recommended from 19:00 p.m. to 24:00 p.m.
- In the cities of Seattle, Phoenix, Portland, Las Vegas or Los Angeles in the United States.
- During summer