# Projeto 1: UFO SIGHTINGS

Linguagem de Programação Aplicada à Automação (LPAA)

**Prof. Emmanuel Andrade** 



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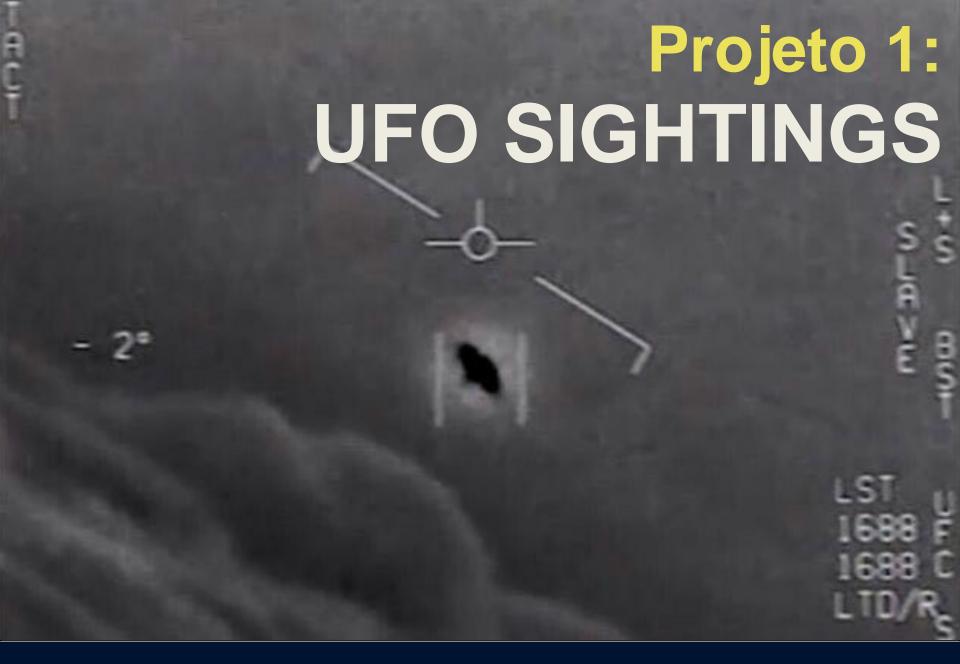


## Dados analisados

	datetime	city	state	country	shape	duration (seconds)	duration (hours/min)
0	10/10/1949 20:30	san marcos	tx	us	cylinder	2700	45 minutes
1	10/10/1949 21:00	lackland afb	tx	NaN	light	7200	1-2 hrs
2	10/10/1955 17:00	chester (uk/england)	NaN	gb	circle	20	20 seconds

comments	date posted	latitude	longitude
This event took place in early fall around 194	4/27/2004	29.8830556	-97.941111
1949 Lackland AFB, TX. Lights racing acros	12/16/2005	29.38421	-98.581082
Green/Orange circular disc over Chester, En	1/21/2008	53.2	-2.916667

Scrubbed.csv (80332, 11) [1]



#### Dados ausentes

#### **ORIGINAIS**

datetime	0
city	0
state	5797
country	9670
shape	1932
duration (seconds)	0
duration (hours/min)	0
comments	15
date posted	0
latitude	0
longitude	0
dtype: int64	



#### **TRATADOS**

datetime	0
city	0
state	0
country	0
shape	0
duration (seconds)	0
duration (hours/min)	0
comments	0
date posted	0
latitude	0
longitude	0
dtype: int64	



#### TIPOS DE DADOS

#### **ORIGINAIS**

#### **TRATADOS**

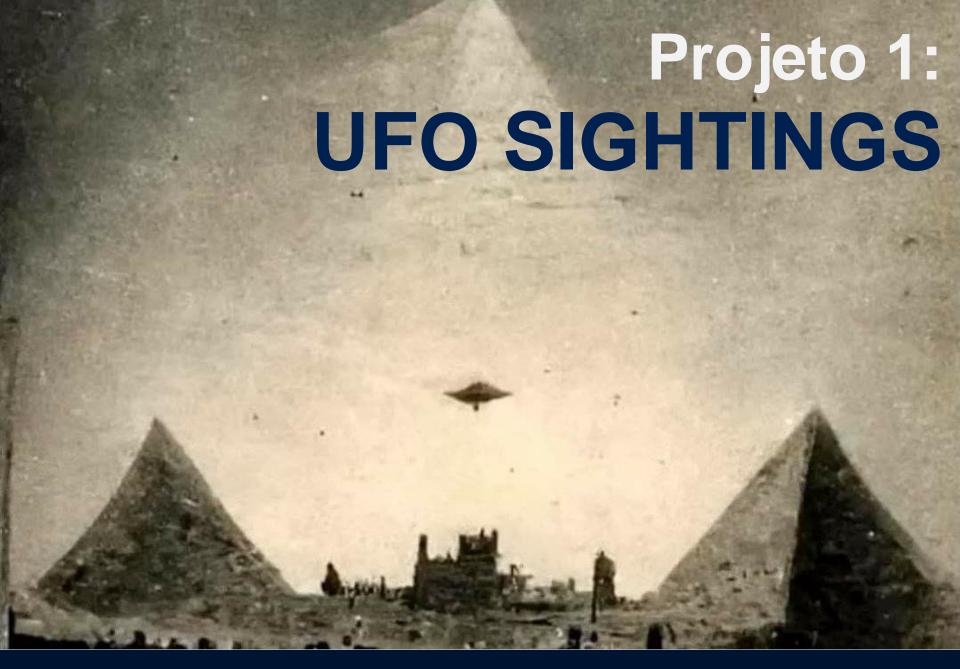
Column	Non-Null Count	Dtype
datetime	80332 non-null	object
city	80332 non-null	object
state	74535 non-null	object
country	70662 non-null	object
shape	78400 non-null	object
duration (seconds)	80332 non-null	object
duration (hours/min)	80332 non-null	object
comments	80317 non-null	object
date posted	80332 non-null	object
latitude	80332 non-null	object
longitude	80332 non-null	float64
THE CANADA TO THE ROOM OF THE PARTY OF THE P		

Column	Non-Null Count	Dtype
datetime	51249 non-null	object
year_sight	51249 non-null	int32
duration (seconds)	51249 non-null	float64
country	51249 non-null	object
state	51249 non-null	object
city	51249 non-null	object
latitude	51249 non-null	float64
longitude	51249 non-null	float64
shape	51249 non-null	object

Obs.: quando não consegue definir um único tipo de dado numa coluna, define como object



**UFO SIGHTINGS** 





# 

Os relatos de avistamentos datam de 1910 até 2014

count 51249.000000

mean 2004.461960

std 10.025378

min 1910.000000

25% 2002.000000

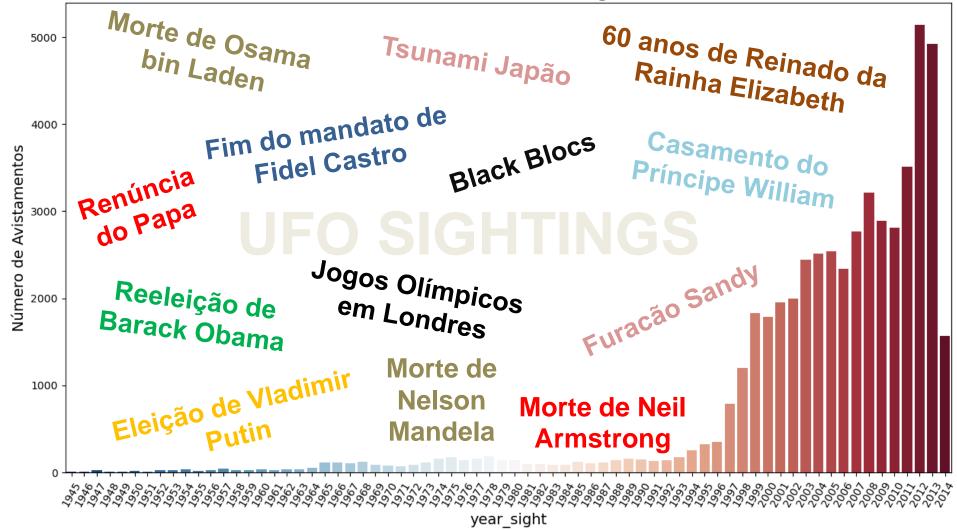
50% 2007.000000

75% 2011.000000

max 2014.000000

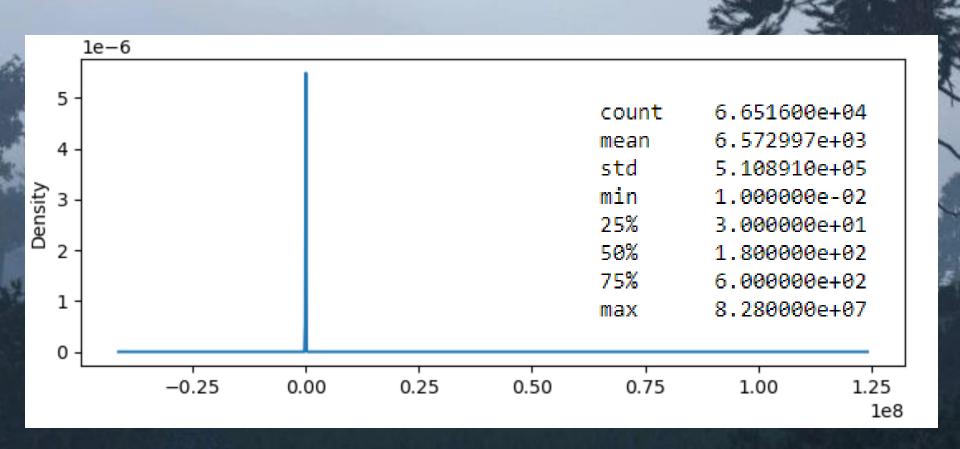
Name: year\_sight, dtype: float64

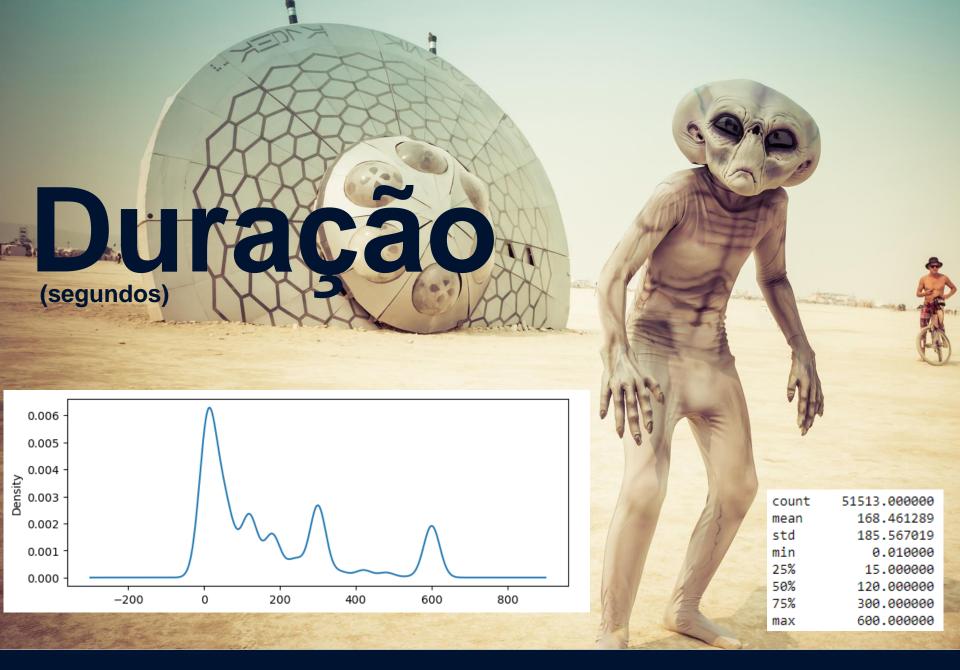
#### Avistamentos de OVNI's ao longo dos anos



## **DURAÇÃO DOS AVISTAMENTOS**

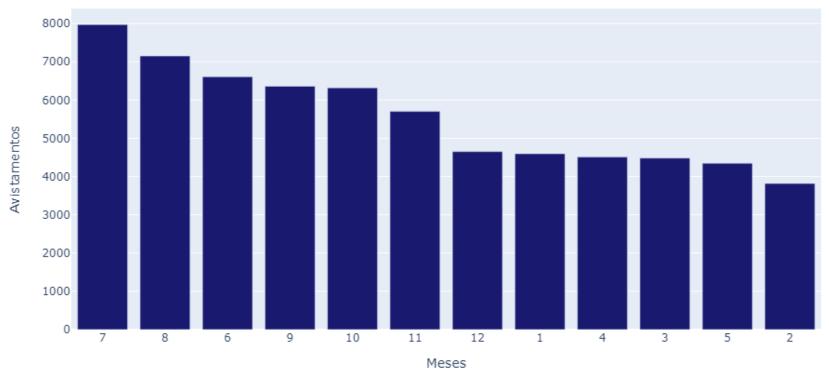
(segundos)



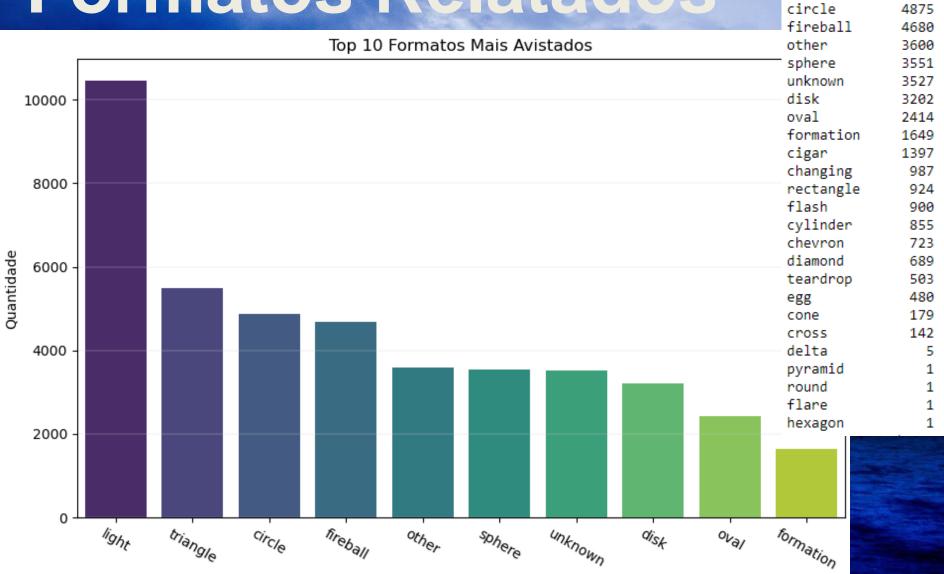


# Avistamentos por Meses do Ano

Avistamentos por Meses do ano



### Formatos Relatados



shape

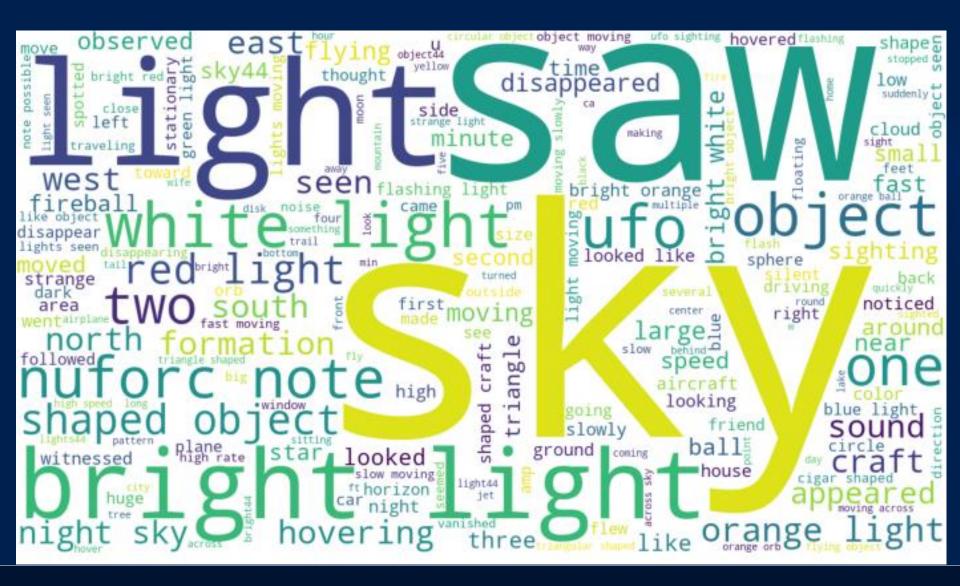
light

triangle

10460

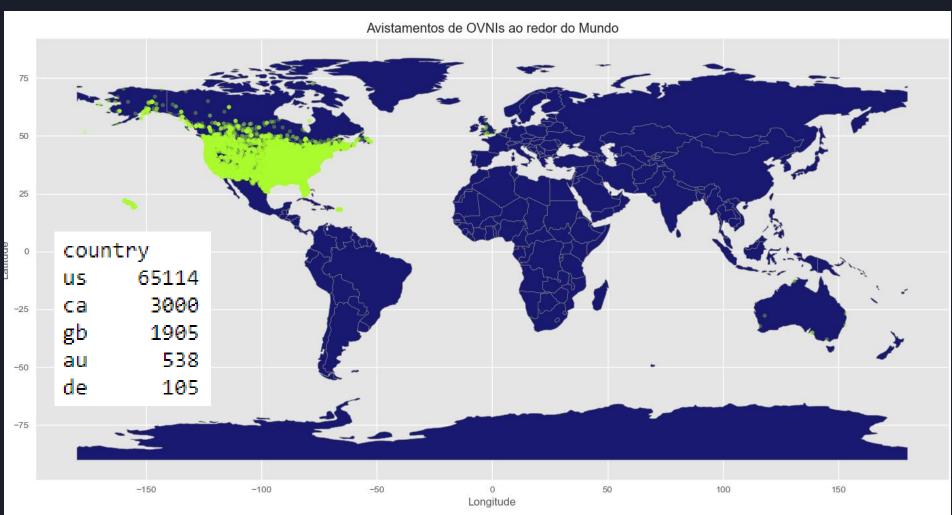
5503

#### Formatos Relatados



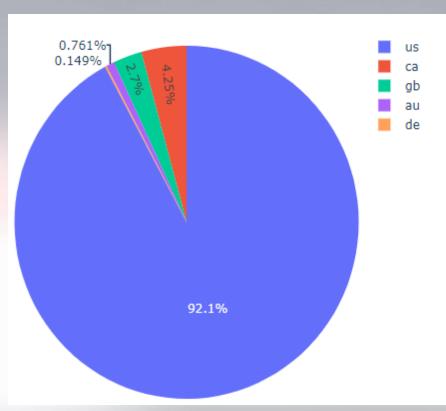


# AVISTAMENTOS PELO MUNDO



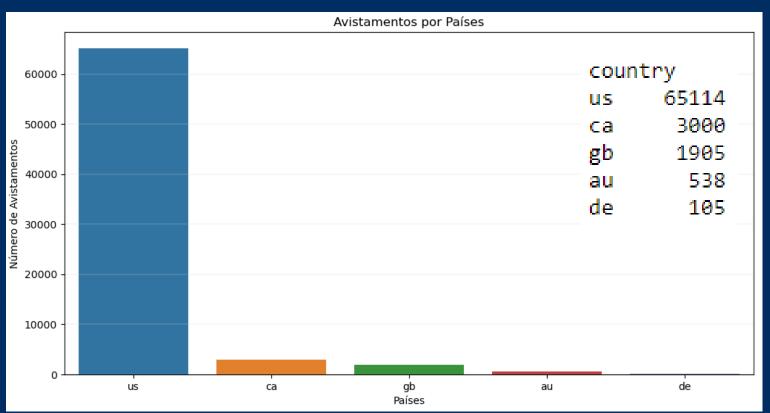


# Avistamentos pelo Mundo



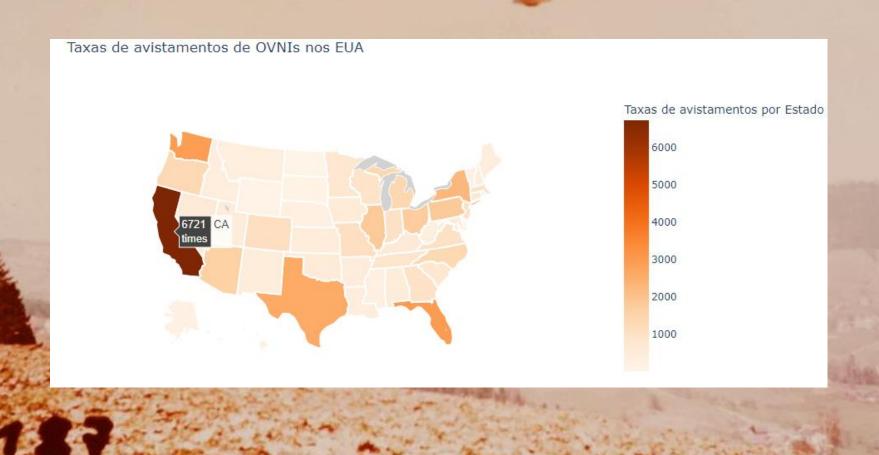


# Avistamentos pelo Mundo

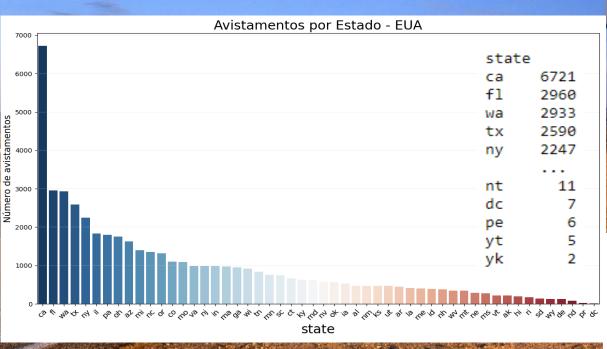


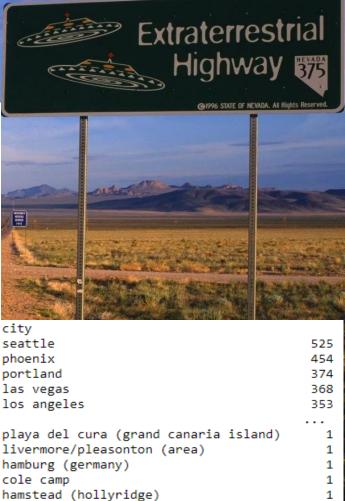


#### AVISTAMENTOS - EUA

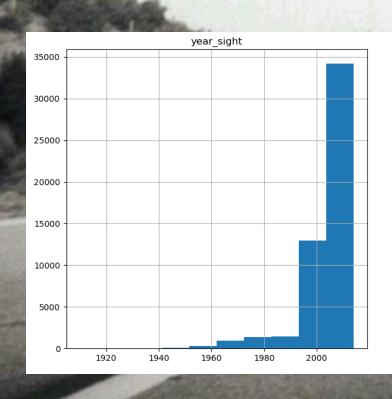


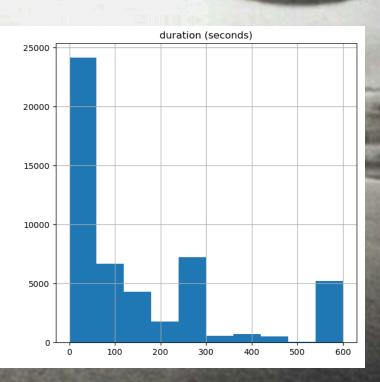
### Avistamentos por Estados (EUA)





# Estatísticas





## Estatísticas



	count	mean	std	min	25%	50%	75%	max
year_sight	51249.0	2004.461960	10.025378	1910.000000	2002.000000	2007.000000	2011.000000	2014.000000
duration (seconds)	51249.0	168.285477	185.475368	0.010000	15.000000	120.000000	300.000000	600.000000
latitude	51249.0	38.747070	5.834198	-34.928661	34.256944	39.326944	42.381111	72.700000
longitude	51249.0	-95.177920	18.535220	-176.658056	-114.321667	-89.401111	-80.280000	153.099533

#### **UFO SIGHTINGS**

## Referências



