

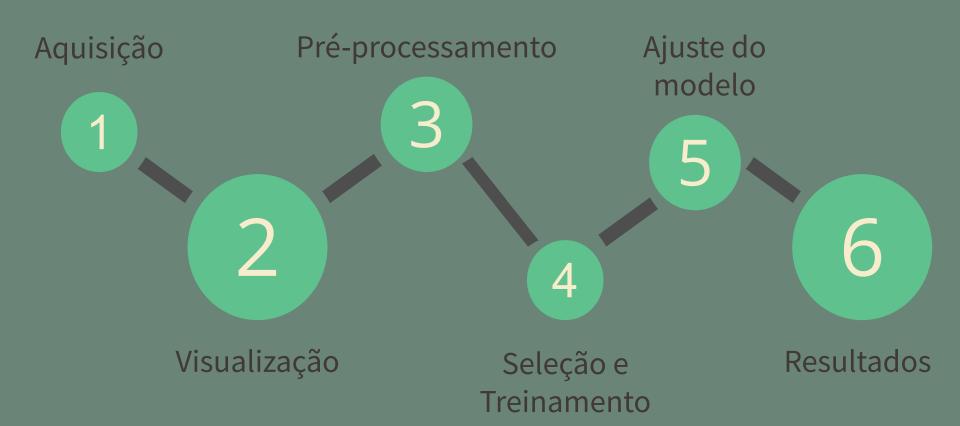
### **Sistemas Inteligentes**

Projeto de Aprendizado de Máquina: Aquisição e Visualização

Profa: Deborah Magalhães



### **Processo**



# 1. Aquisição dos dados

Datasets públicos











AWS Amazon
Datasets



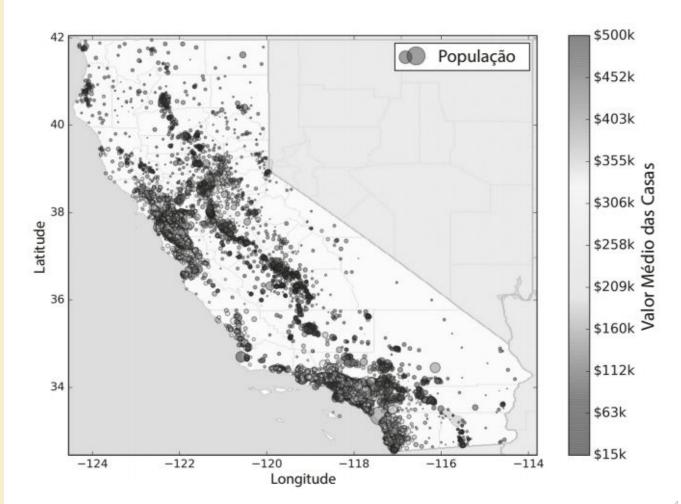
Open Data Monitor\*



Quandl\*

# 1. Obtendo os dados

Setor imobiliário na Califórnia (1990)



### 2. Visualizando os dados

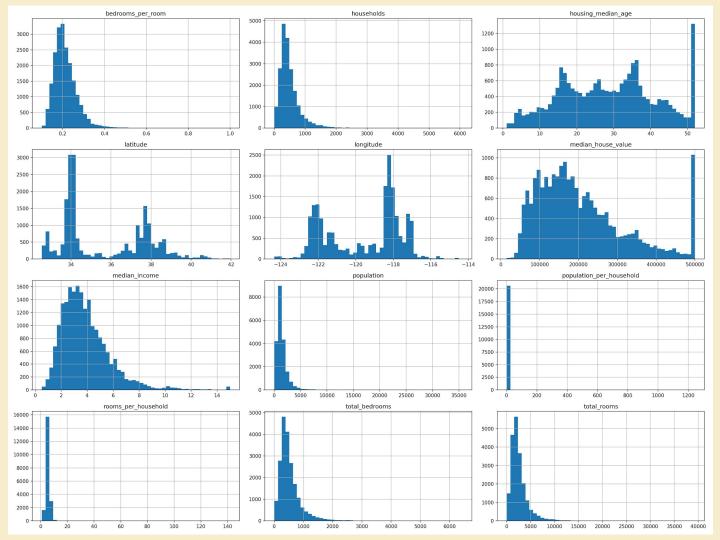
#### Estrutura do dataset

	longitude	latitude	housing_median_age	total_rooms	total_bedrooms	population	households	median_income	median_house_value	ocean_proximity
0	-122.23	37.88	41.0	880.0	129.0	322.0	126.0	8.3252	452600.0	NEAR BAY
1	-122.22	37.86	21.0	7099.0	1106.0	2401.0	1138.0	8.3014	358500.0	NEAR BAY
2	-122.24	37.85	52.0	1467.0	190.0	496.0	177.0	7.2574	352100.0	NEAR BAY
3	-122.25	37.85	52.0	1274.0	235.0	558.0	219.0	5.6431	341300.0	NEAR BAY
4	-122.25	37.85	52.0	1627.0	280.0	565.0	259.0	3.8462	342200.0	NEAR BAY

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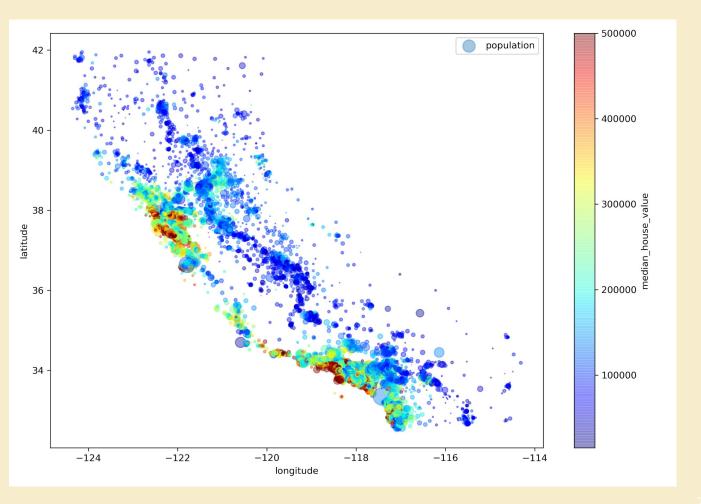
# 2. Visualizando os dados

Estrutura do dataset



### **Visualizando** os dados

Estrutura do dataset



### 2. Visualizando os dados

### Correlação dos dados

	longitude	latitude	housing_median_age	total_rooms	total_bedrooms	population	households	median_income	median_house_value
longitude	1.000000	-0.924664	-0.108197	0.044568	0.069608	0.099773	0.055310	-0.015176	-0.045967
latitude	-0.924664	1.000000	0.011173	-0.036100	-0.066983	-0.108785	-0.071035	-0.079809	-0.144160
housing_median_age	-0.108197	0.011173	1.000000	-0.361262	-0.320451	-0.296244	-0.302916	-0.119034	0.105623
total_rooms	0.044568	-0.036100	-0.361262	1.000000	0.930380	0.857126	0.918484	0.198050	0.134153
total_bedrooms	0.069608	-0.066983	-0.320451	0.930380	1.000000	0.877747	0.979728	-0.007723	0.049686
population	0.099773	-0.108785	-0.296244	0.857126	0.877747	1.000000	0.907222	0.004834	-0.024650
households	0.055310	-0.071035	-0.302916	0.918484	0.979728	0.907222	1.000000	0.013033	0.065843
median_income	-0.015176	-0.079809	-0.119034	0.198050	-0.007723	0.004834	0.013033	1.000000	0.688075
median_house_value	-0.045967	-0.144160	0.105623	0.134153	0.049686	-0.024650	0.065843	0.688075	1.000000

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### Atividade (1.0) Brasil.IO



### Atividade (1.0)

### **Dataset Casos COVID-19**

1	date	ctato	city	place type	confirmed	doaths	order for place is last	estimated population 2019 of	ctimated population cit	ty ibae code confirmed per	100k inhabitante doath rato
	2021-03-22	state	City	state state	92462		364 True	estimated_population_2019es	861773	16 10729.27557	0.0133
	2021-03-21			state	92010		363 False	845731	861773	16 10676.82557	0.0133
4	2021-03-20	AP		state	91515	1222	362 False	845731	861773	16 10619.38585	0.0134
5	2021-03-19	AP		state	91077	1216	361 False	845731	861773	16 10568.56040	0.0134
6	2021-03-18	AP		state	90597	1206	360 False	845731	861773	16 10512.86128	0.0133
7	2021-03-17	AP		state	89822	1201	359 False	845731	861773	16 10422.93040	0.0134
8	2021-03-16	AP		state	89118	1195	358 False	845731	861773	16 10341.23835	0.0134
9	2021-03-15	AP		state	88363	1187	357 False	845731	861773	16 10253.62828	0.0134
10	2021-03-14	AP		state	88047	1181	356 False	845731	861773	16 10216.95969	0.0134
11	2021-03-13	AP		state	87792	1181	355 False	845731	861773	16 10187.36953	0.0135
12	2021-03-12	AP		state	87479	1177	354 False	845731	861773	16 10151.04906	0.0135
13	2021-03-11	AP		state	87095		353 False	845731	861773	16 10106.48976	0.0134
14	2021-03-10	AP		state	86674		352 False	845731	861773	16 10057.63699	0.0135
15	2021-03-09	AP		state	86346		351 False	845731	861773	16 10019.57592	0.0135
	2021-03-08			state	85879		350 False	845731	861773	16 9965.38532	0.0135
-	2021-03-07	7 20 20 2		state	85578		349 False	845731	861773	16 9930.45732	0.0135
1000000	2021-03-06			state	85375		348 False	845731	861773	16 9906.90124	0.0135
-	2021-03-05			state	85065		347 False	845731	861773	16 9870.92889	0.0136
	2021-03-04	0.00		state	84808		346 False	845731	861773	16 9841.10665	0.0136
21	2021-03-03	AP		state	84483	1146	345 False	845731	861773	16 9803.39370	0.0136



### **Muito Obrigada!**

Se você tiver qualquer dúvida ou sugestão:

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