



# **DOGS IN NEW YORK (CAPSTONE PROJECT)**

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INTERMEDIATE PYTHON CLASS (2022)



# RESEARCH QUESTIONS

WHAT ARE THE MOST COMMON BREED IN  
NEW YORK?

WHAT THE GENDER RATIO IN THE  
REGISTERED DOGS?

ARE NEW YORKERS BIASED AGAIN PIT BULLS  
IN GENERAL?

ARE THERE ANY TIBETAN MASTIFFS IN NEW  
YORK?



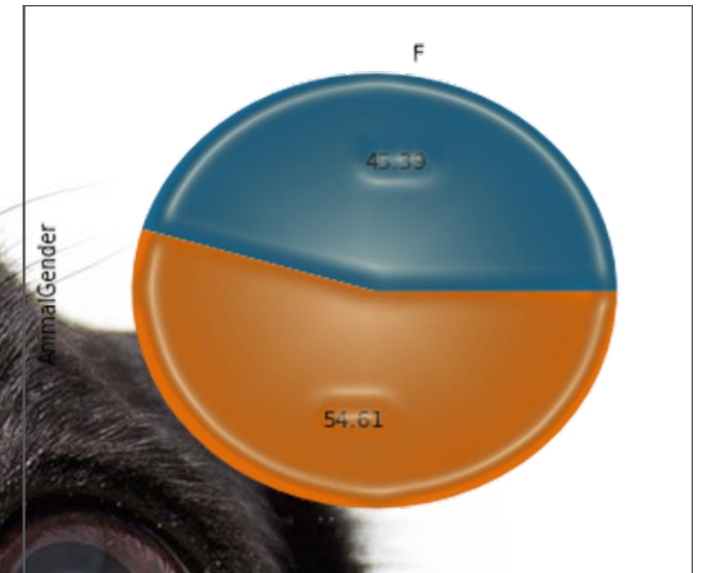
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# TOP TEN BREEDS AND GENDER RATIO

## Top ten breeds

- **Yorkshire Terrier :30379**
- **Shih Tzu :27407**
- **Chihuahua :21211**
- **Maltese :15701**
- **Labrador Retriever :15666**
- **American Pit Bull Mix / Pit Bull Mix :13681**
- **Labrador Retriever Crossbreed :12733**
- **American Pit Bull Terrier/Pit Bull :10712**
- **Pomeranian :9287**
- **Havanese :8606**

## Gender



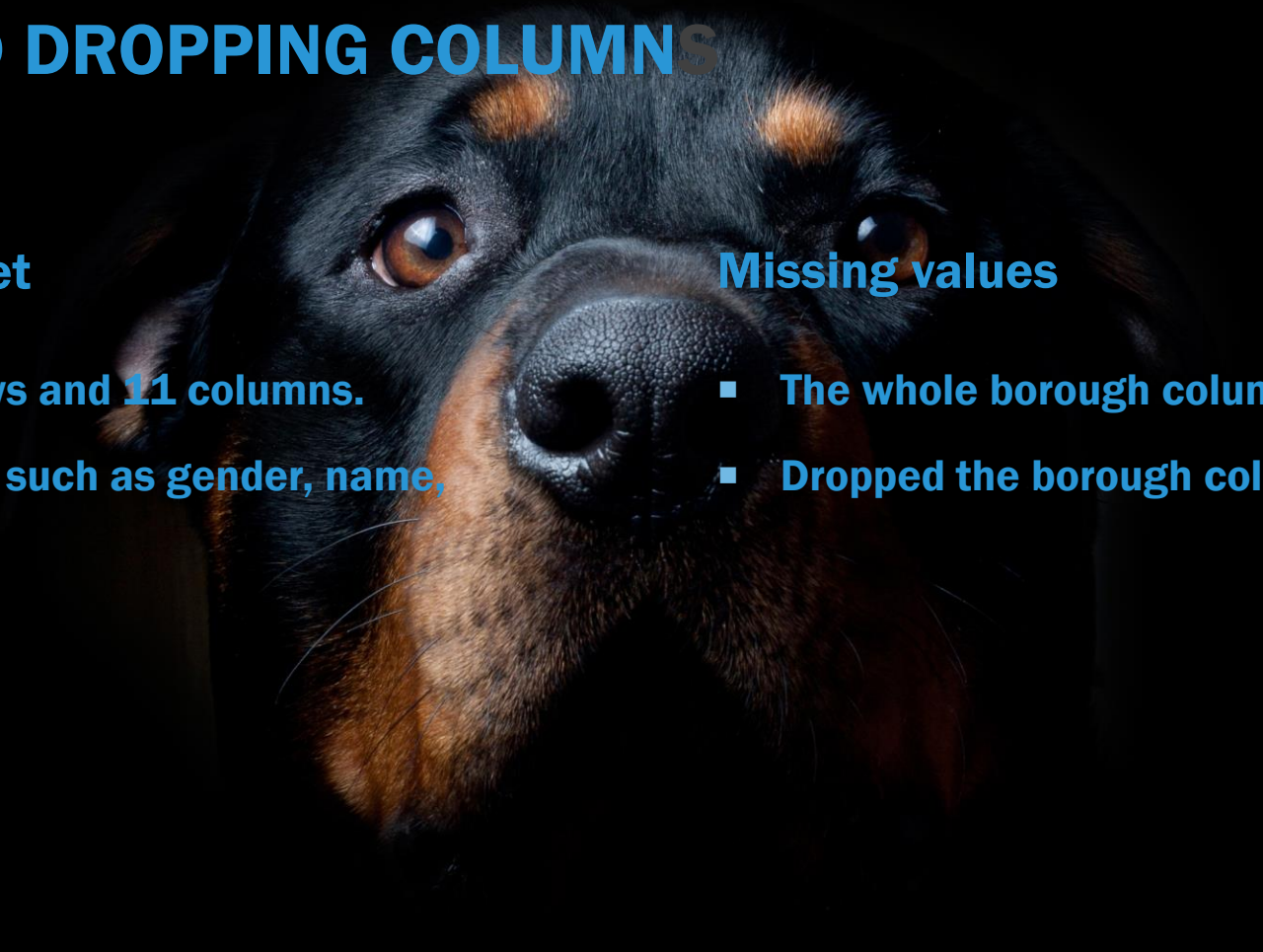
# FILTERING AND DROPPING COLUMNS

## Assessing the data set

- There are 493072 rows and 11 columns.
- I used only 4 columns such as gender, name, breed, and zip code.
- Dropped the rest.

## Missing values

- The whole borough column have zero non-null.
- Dropped the borough column and used zip codes.





# WHICH ZIPCODE HAD THE MOST DOGS?

- 10035 has shown to have dense population.
- Population Density 125,86 people per sq mi
- It also has the highest number of pet.
- Population Density 17,965 people per sq
- Less pets registered.





# PITBULL VS YORKIE

Pitbull ranks number #6 (2.8%) :13681



Yorkshire takes the crown as #1 (6.6%)



## **MOST COMMON NAMES**

- 1) Bella**
- 2) Max**
- 3) Charlie**
- 4) Coco**
- 5) Lola**
- 6) Rocky**
- 7) Luna**
- 8) Lucy**
- 9) Buddy**
- 10) Lucky**



# TIBETAN MASTIFFS

- There are 26 registered Tibetan Mastiffs in New York.
- According to Kriss, M (2022), “A Tibetan Mastiff holds the world record for the highest-priced dog ever bought, which was purchased at \$2 million.”





## CONCLUSION

- Yorkshire Terrier is the most common dog breed in New York City.
- There are more male dogs than female by 9%.
- There are 13681 pitbulls in New York which negates prejudice.
- There are 26 numbers of Tibetan Mastiff in New York.

