# Find Your Perfect Dog

BIS 15L Winter 2025 Group 14

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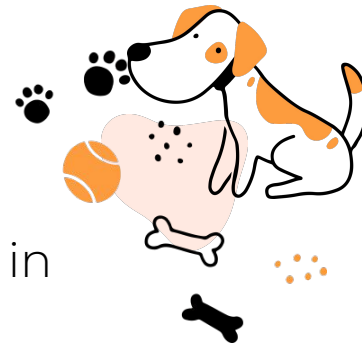
# Agenda

**Data Exploration**

**Shelter Dogs Shiny App**

**Dog Rankings Shiny App**
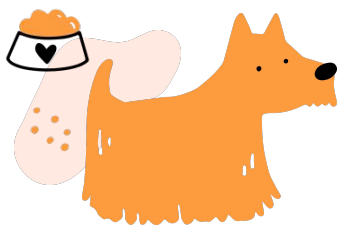
# Dataset Intro and Methods of Analysis

Shelter Dogs - basic characteristics of almost 3000 dogs in Hungarian shelters

Dog Rankings - 19 variables detailing characteristics, cost, and popularity scores of 87 dog breeds
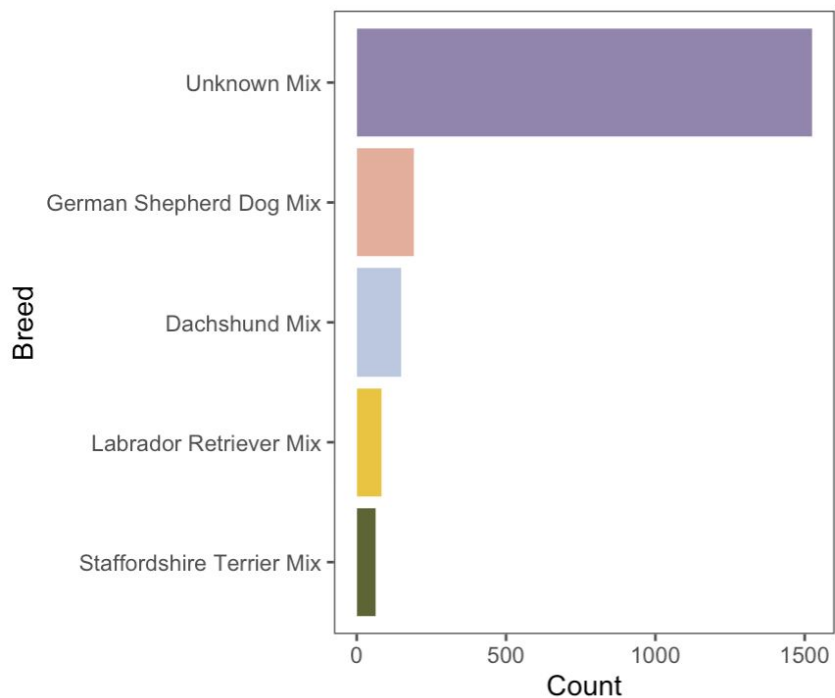
**Our Goal:**
Create a quiz-style shiny app to take user preferences on characteristics to find an available dog for adoption or suggest a specific breed.
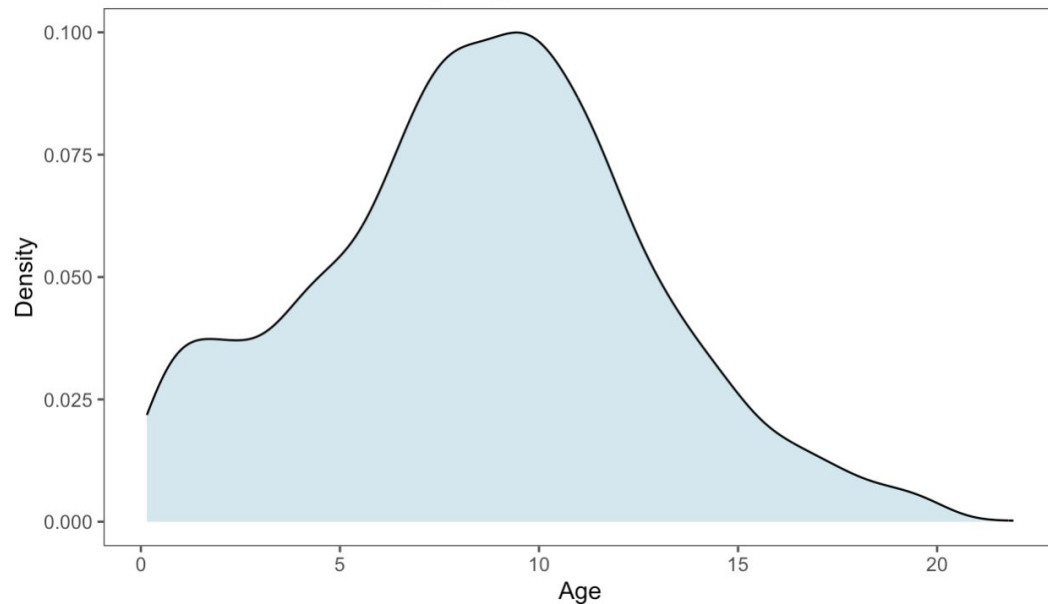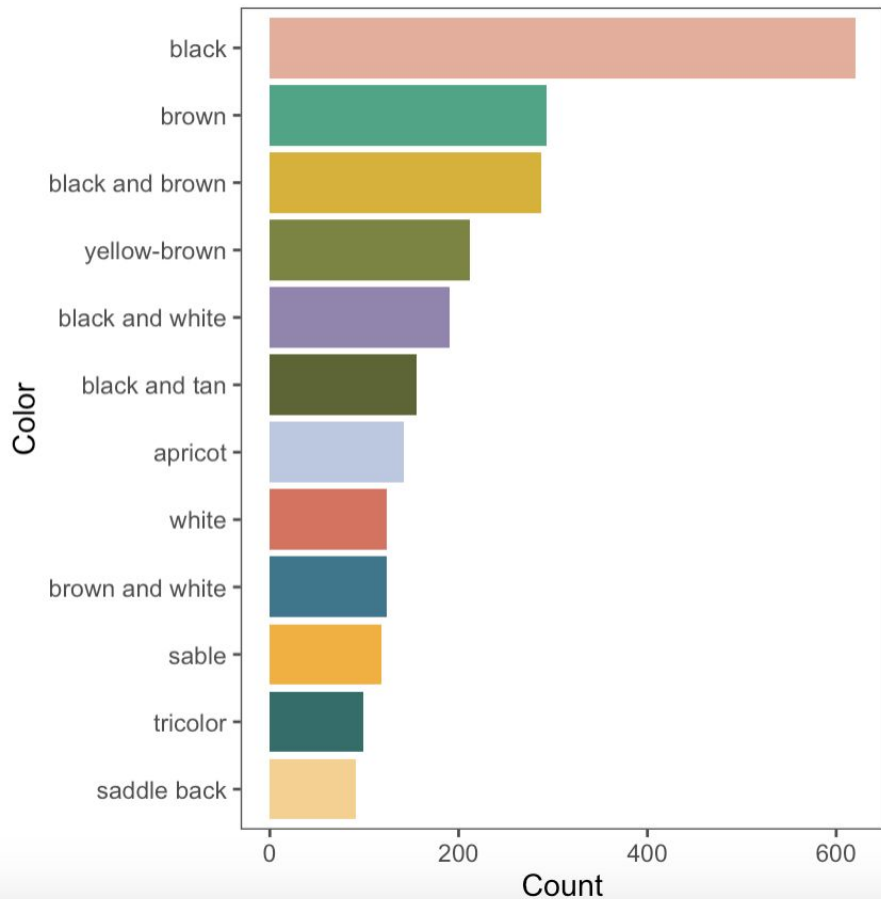
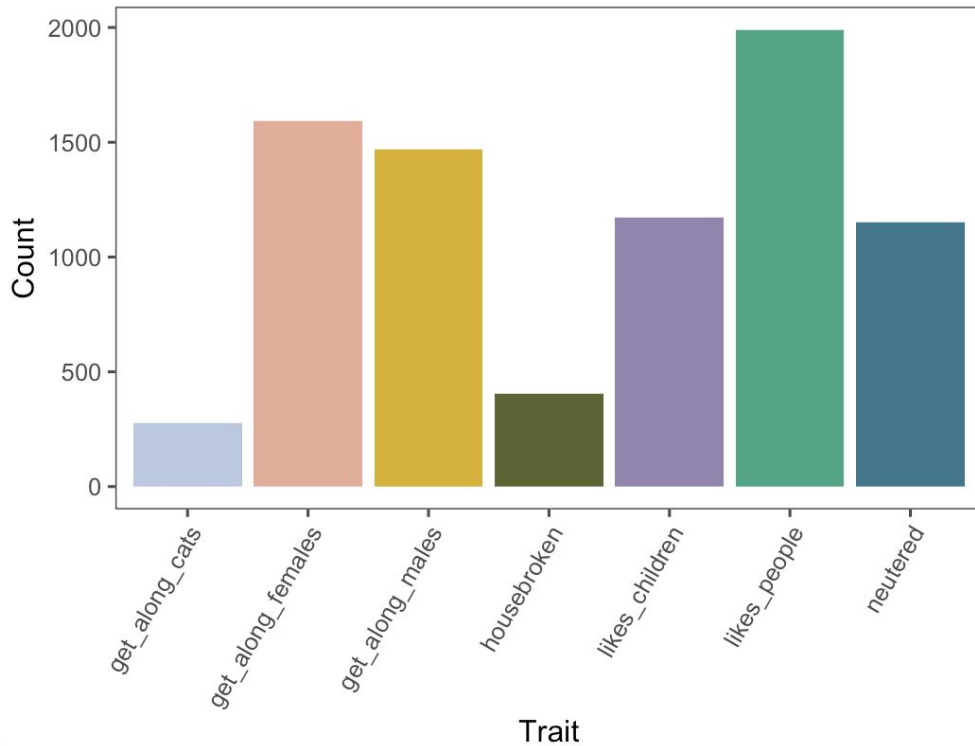# Key Variables - shelter Dogs

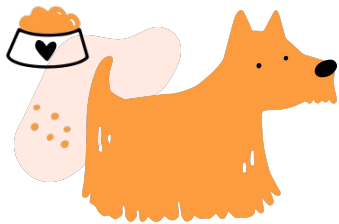## Most Common Breeds in Shelter



## Distribution of Shelter Dog's Age

## Dog Colors Available in the Shelter

| Color | |
|---|---|
| black | |
| brown | |
| black and brown | |
| yellow-brown | |
| black and white | |
| black and tan | |
| apricot | |
| white | |
| brown and white | |
| sable | |
| tricolor | |
| saddle back | |

Count: 0, 200, 400, 600

## Shelter Dogs Traits

Count: 0, 500, 1000, 1500, 2000

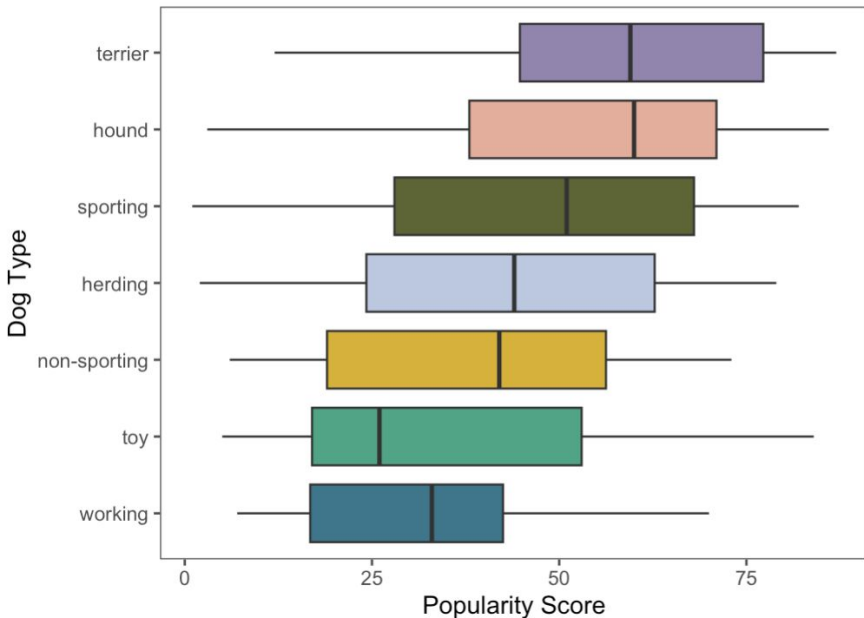Trait: get_along_cats, get_along_females, get_along_males, housebroken, likes_children, likes_people, neutered
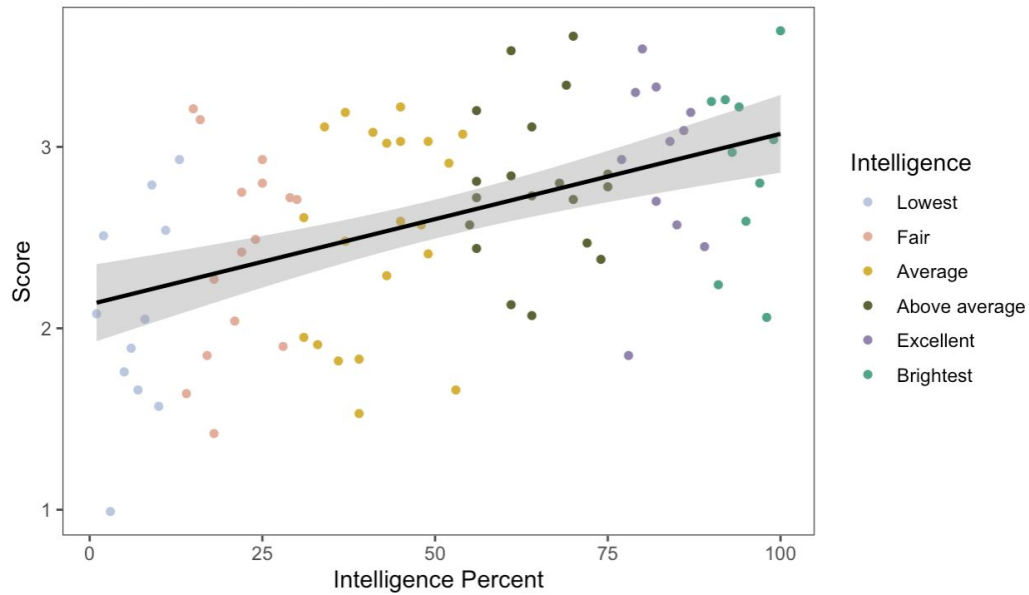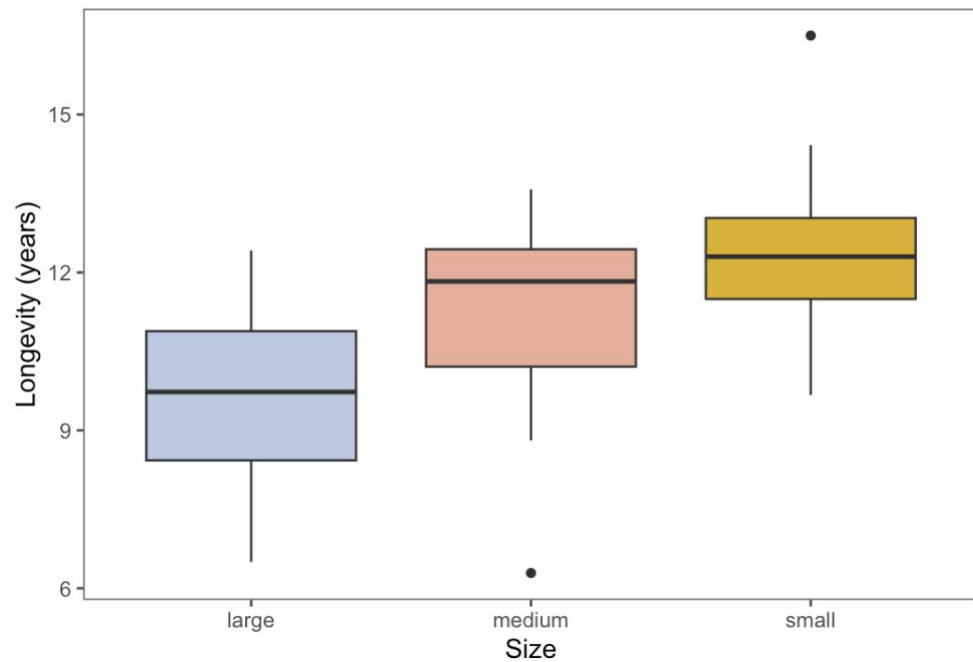
# Key Variables - Dog Rankings



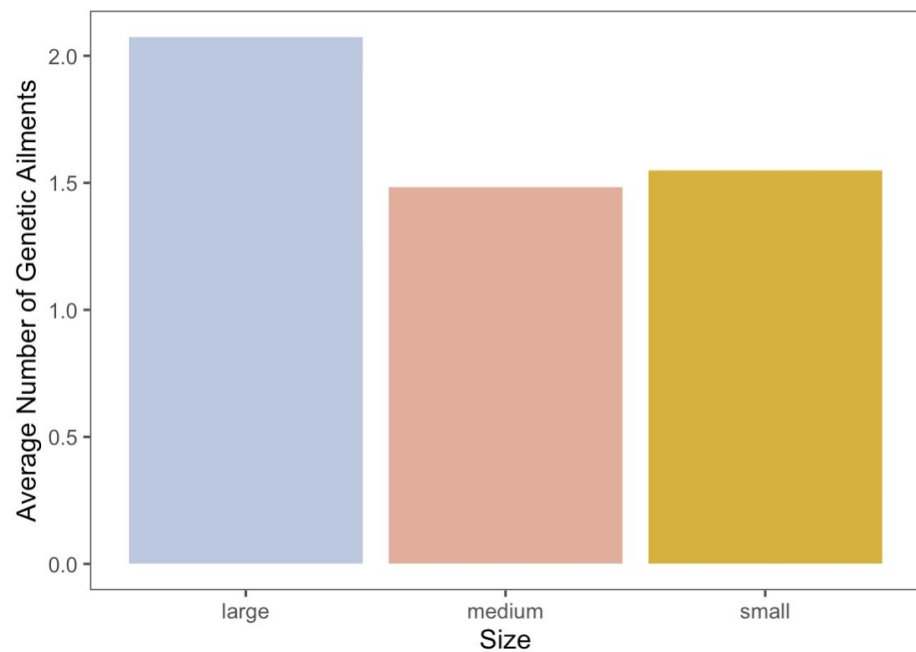Most Popular Type of Dog



Intelligence vs. Popularity

## Size vs. Longevity

## Genetic Ailments vs. Size

# Shelter Dogs Shiny App

# Dog Rankings Shiny App

# Conclusion

Shelter Dogs
- Unknown Breed Mix and Black Dogs are by far most common
- Color and Traits can help narrow down options

Dog Rankings
- Terrier's are in general the most popular type of dog
- Small dogs live longer and have few genetic ailments than large dogs

**Having a list of desired characteristics while using our quiz can help narrow down the type of dog to for, but nothing can replace the in-person connection in choosing your furry friend!**

Thanks !

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