

Cat Adoptions

INTRODUCTION

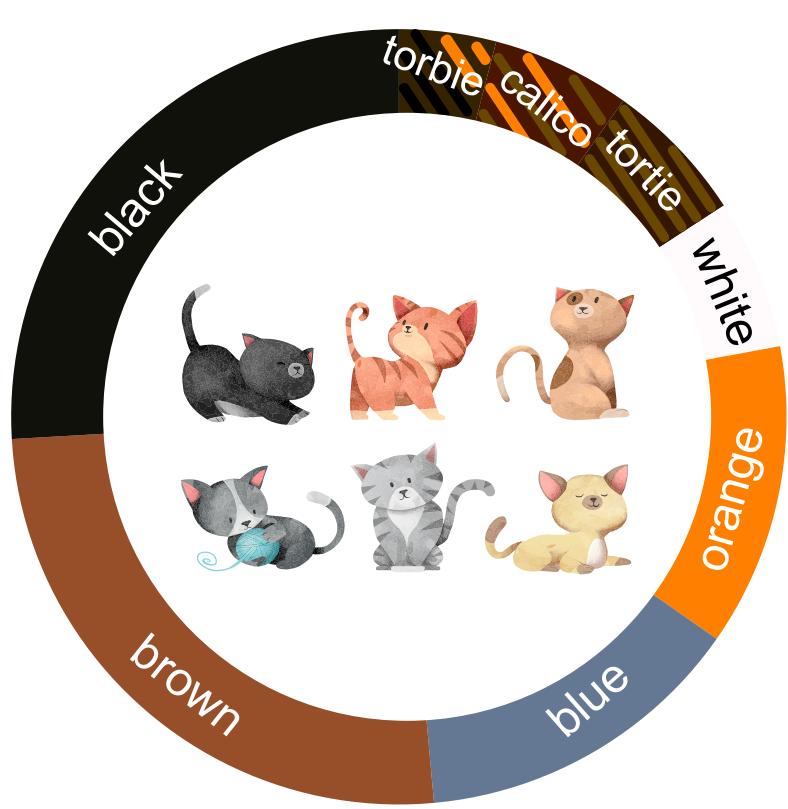
Data Source: This data is originally from the Austin Animal Center, and it is retrieved from Kaggle.

Data Description: It contains 26,565 observations and 40 columns. It contains intakes and outcomes of cats at the shelter. The key attributions are adoption outcomes, ages, genders, breeds, colors, adoption dates, IDs, names, and etc.

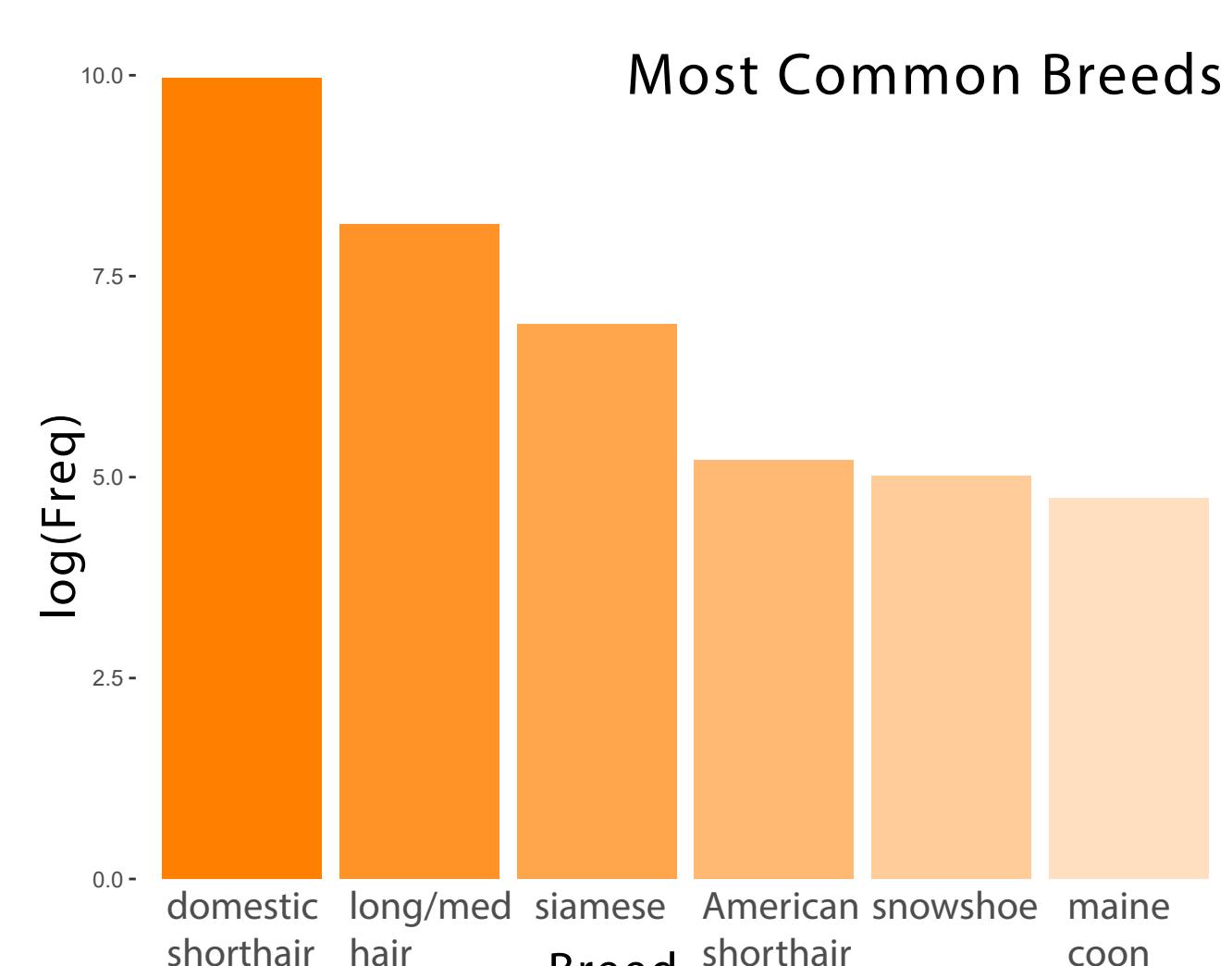
Motivation and Audiences: How humans treat their feline friends based on different surface level features. We all want to think we "connect" with animals, or adopt pets for non-selfish reasons. However, it seems that we are influenced by certain preferences. Audiences are animal lovers, volunteers, and shelters that care and help animals.

R Packages and Functions: ggplot2, wordcloud, plot, barplot, table, as.data.frame

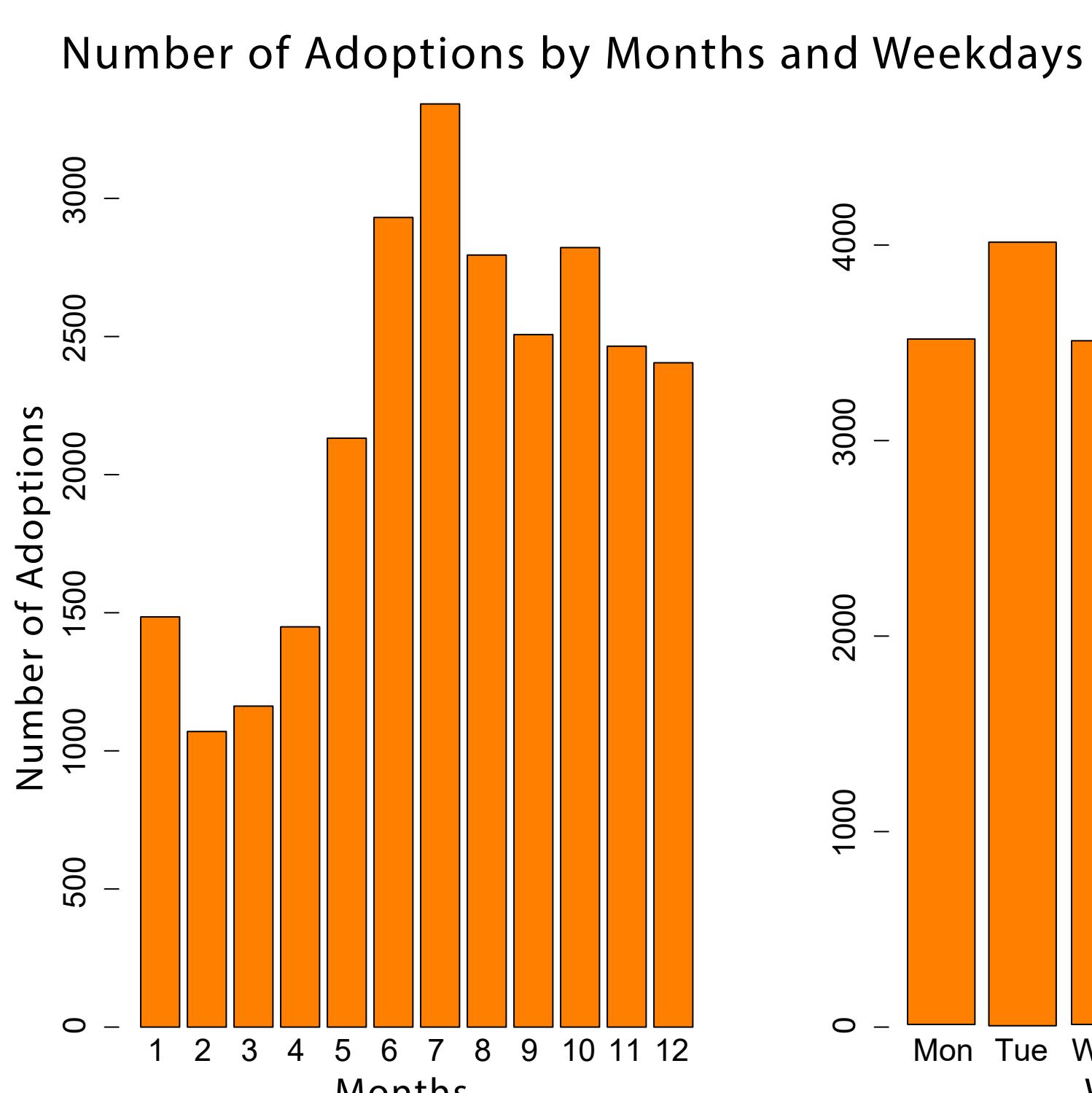
DATA DESCRIPTION



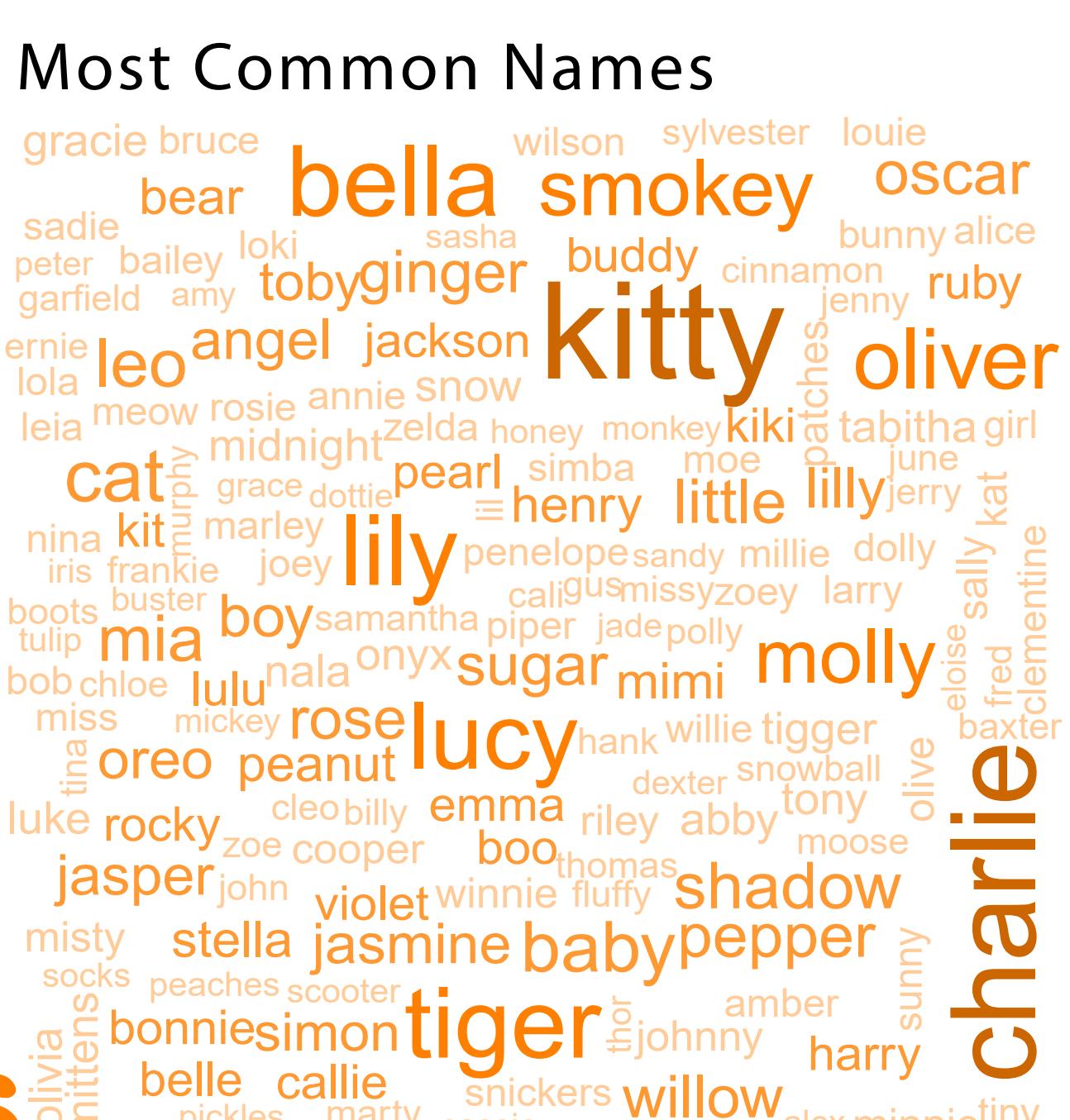
It shows the most common colors of cats at the shelter. The top 8 common colors are black, brown, blue, orange, white, tortie, calico, and torbie.



The top 6 common breeds at the shelter is domestic shorthair, domestic long/medium hair, siamese, American shorthair, snowshoe, and maine coon.



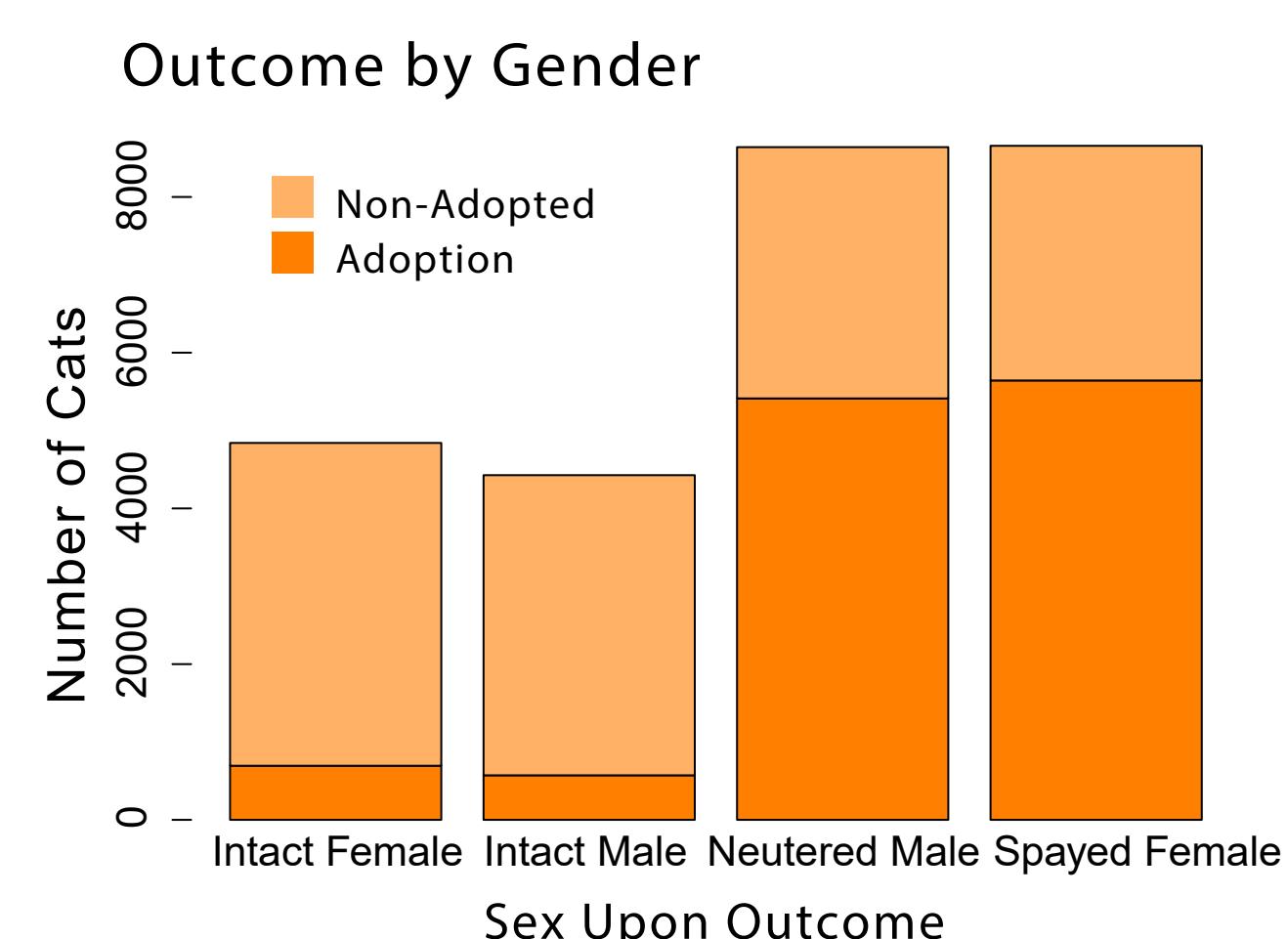
Most of the adoptions happened in July, and least number of adoptions happened in Feburary. In terms of weekdays, most adoptions happened on Saturdays, and least happened on Thursdays.



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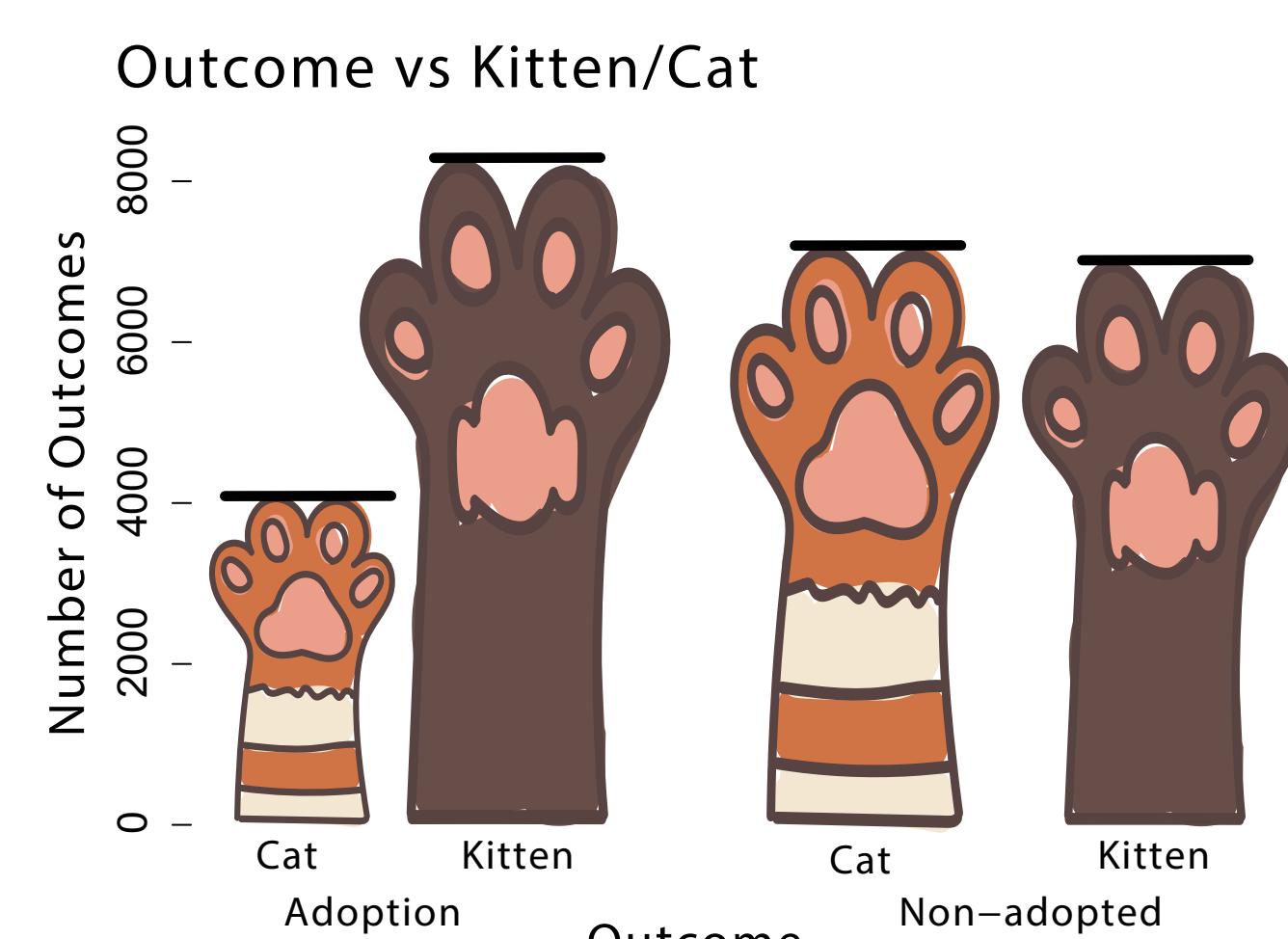


DO PEOPLE INFLUENCE BY CATS' GENDERS?



Spayed female cats are the most popular. Most of the cats are spayed females, but also the adoption/non-adoption proportion is the highest. Male cats are not as popular, especially intact males. People do have a gender preference.

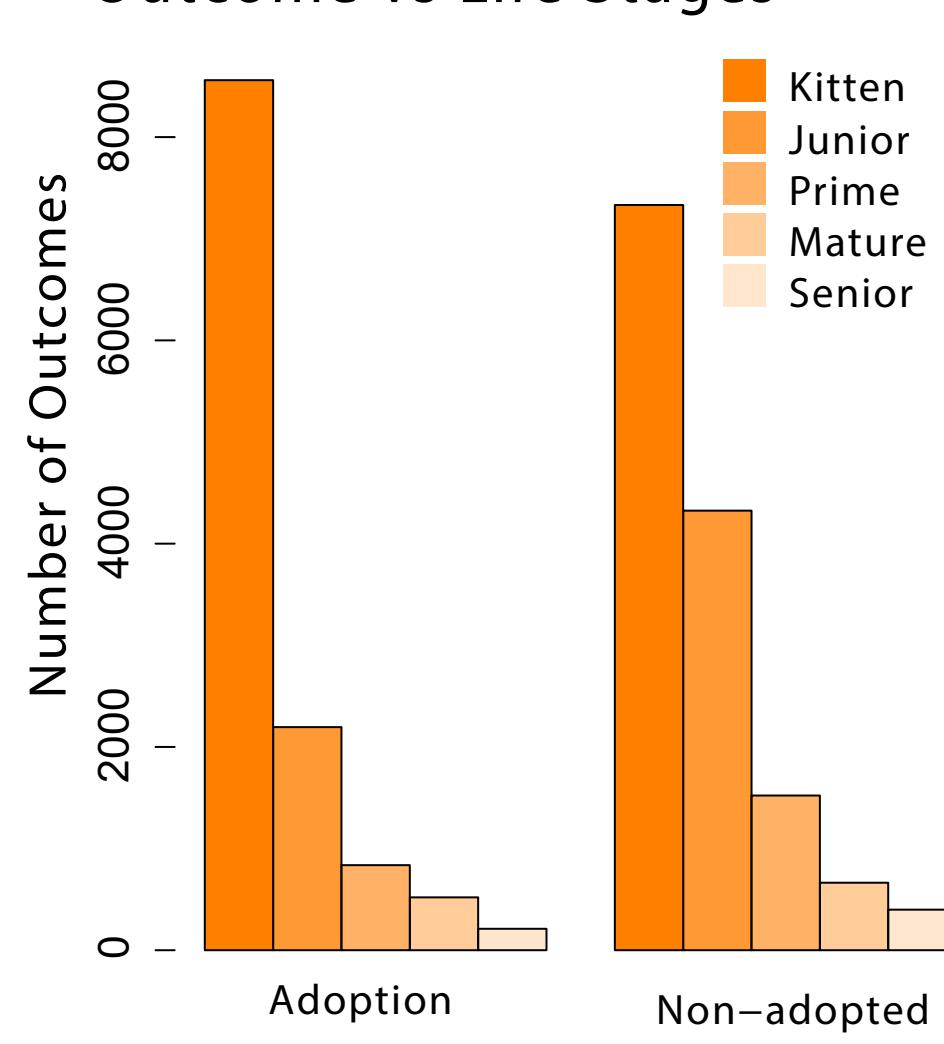
DO PEOPLE PREFER KITTENS?



Most of the cats that have been adopted are kittens (less than one-year old). The number of adopted kittens is more than the number of non-adopted kittens. However, the number of adopted cats (more than one-year old) is way less than the number of non-adopted.

STANDARD LIFE STAGES

Outcome vs Life Stages



Let's look at more details of the ages. Here, the cats are divided into "kitten", "junior", "prime", "mature", and "senior" by their ages according to standards of cats' life stages. Only adopted kittens are more than non-adopted. For all other life stages, non-adopted are more than adopted.