**Analysis and Insight Report**

In this project we gathered Real-world data from a variety of sources and in a variety of formats. The first file is the tweet archive of Twitter user @dog\_rates, also known as WeRateDogs, an additional data from the Twitter API (JSON file) and finally the image predictions file. The quality and tidiness issues are assessed, then every issue is cleaned using define, code, test process. This is called data wrangling. The wrangling process is documented. This report communicate findings using the analysis and visualizations that we did. After exploring, analyzing the data we found that:

1. **Common dog stage**

Chart, pie chart

Description automatically generated

### The first graph is a pie chart displaying the distribution of the 4 life stages of dog: doggo, floofer, puppo, pupper. We can see from this chart that all four life stages of dogs are equally distributed among the tweets.

### Top dog names

### Chart, bar chart Description automatically generated

The second visualization is a bar graph that helps us understand popular dog names among dog owners through the WeRateDogs tweets. Through this graph we can see that Charlie is by far the most popular dog name at 60 count and Sadie is at number 10 with 40 counts.

1. **Compare between dog gender**

### Chart, bar chart Description automatically generated

### The third graph is a bar graph we can see the difference between the gender of dogs, and through the bar graph, we note that males are almost three times more than females