Act Report

Key Insights from the Analysis

During the analysis, several notable trends emerged from the dataset:

1. Dog Names and Retweet Patterns

- There are many unique dog names in the dataset, but the most frequently mentioned names are **Charlie, Lucy, and Cooper**.
- A deeper analysis could determine whether these tweets refer to the same pet or if multiple dogs share these names.
- Among retweeted dog names, **Bo received the most retweets**, followed by **Stephan, Duddles, Buddy, and Lucy**.

2. Tweet Source Distribution

- The majority of tweets originated from **iPhones**.
- A negligible number of tweets were posted from the **Twitter Web Client**.
- **TweetDeck usage** was even lower.

3. Dog Breed Predictions and Accuracy

- The **image predictions model mostly identified dogs correctly**, but there were instances where the model made **non-dog predictions**.
- Interestingly, the **first prediction had the second-lowest number of non-dog predictions**, while the **second prediction had the lowest**.
- Further analysis could determine whether these variations hold statistical significance and assess how close incorrect predictions were to actual dog breeds.

4. Dog Labels and Their Popularity

- **Not all dogs in the dataset had a label**, and the majority were unlabeled.
- Among the labeled dogs, **“Pupper” was the most common label**, followed by **“Doggo” and “Puppo”**.
- **“Floofer” was the least common label**, with significantly fewer mentions compared to the others.

Visualizing Retweets of Dog Names and Labels

- **Retweeted Dog Names:**
  The name **Bo had the highest number of retweets**, followed by **Stephan, Duddles, Buddy, and Lucy**.
  (Visualization included in the repository: most_retweeted_dog_names.png)
- **Retweeted Dog Labels:**
  The **Pupper label received the most retweets**, while **Floofer was the least retweeted**.
  (Visualization included in the repository: most_retweeted_dog_labels.png)

These findings provide insight into user engagement with different dog names and categories, as well as how frequently specific breeds and labels appear in highly shared content.