

ACTION REPORT

1. Introduction

Real-world data rarely come clean. Using Python and its libraries, you will gather data from a variety of sources and in a variety of formats, assess its quality and tidiness, then clean it. This is called data wrangling. You will document your wrangling efforts in a Jupyter Notebook, plus showcase them through analyses and visualizations using Python (and its libraries) and/or SQL.

The dataset that you will be wrangling (and analyzing and visualizing) is the tweet archive of Twitter user @dog_rates, also known as WeRateDogs. WeRateDogs is a Twitter account that rates people's dogs with a humorous comment about the dog. These ratings almost always have a denominator of 10. The numerators, though? Almost always greater than 10. 11/10, 12/10, 13/10, etc. Why? Because "they're good dogs, Brent." WeRateDogs has over 4 million followers and has received international media coverage.

WeRateDogs downloaded their Twitter archive and sent it to Udacity via email exclusively for you to use in this project. This archive contains basic tweet data (tweet ID, timestamp, text, etc.) for all 5000+ of their tweets as they stood on August 1, 2017. More on this soon.



2. Project steps Overview

Your tasks in this project are as follows:

Step 1: Gathering data

Step 2: Assessing data

Step 3: Cleaning data

Step 4: Storing data

Step 5: Analyzing, and visualizing data

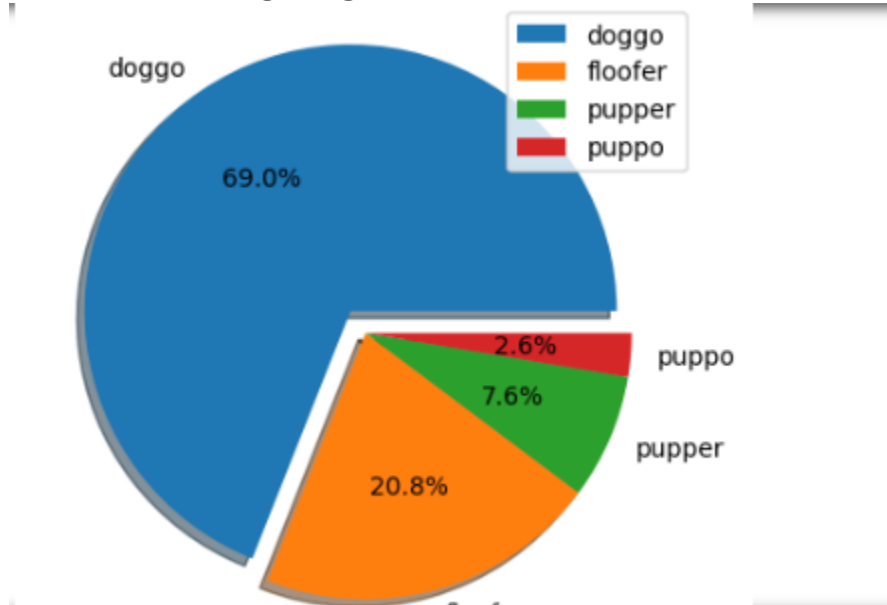
Step 6: Reporting

your data wrangling efforts

your data analyses and visualizations

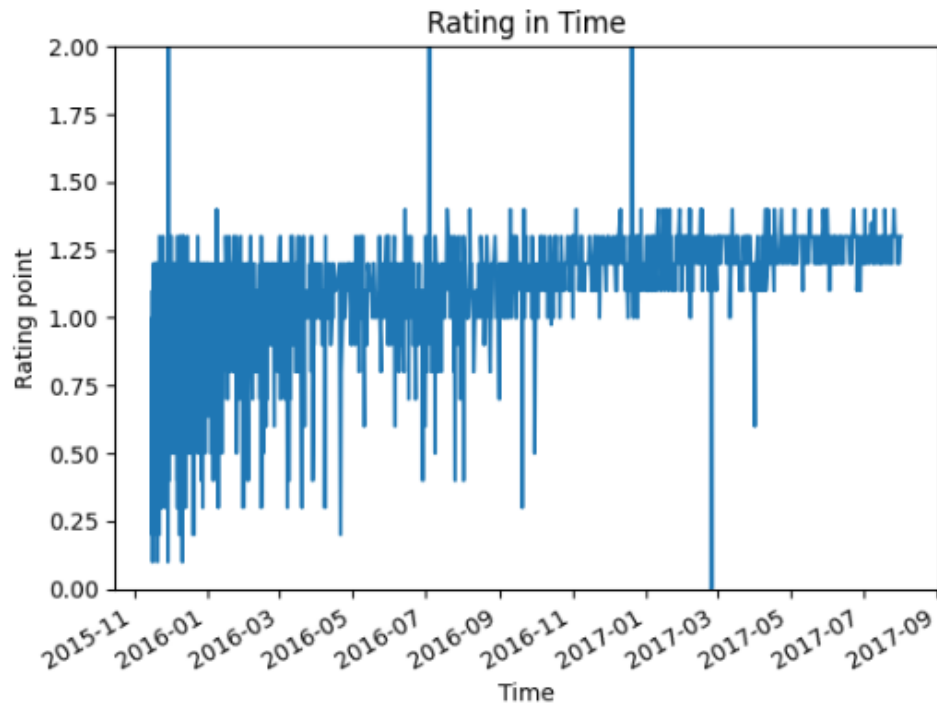
3. Report results

- The most of dog stage



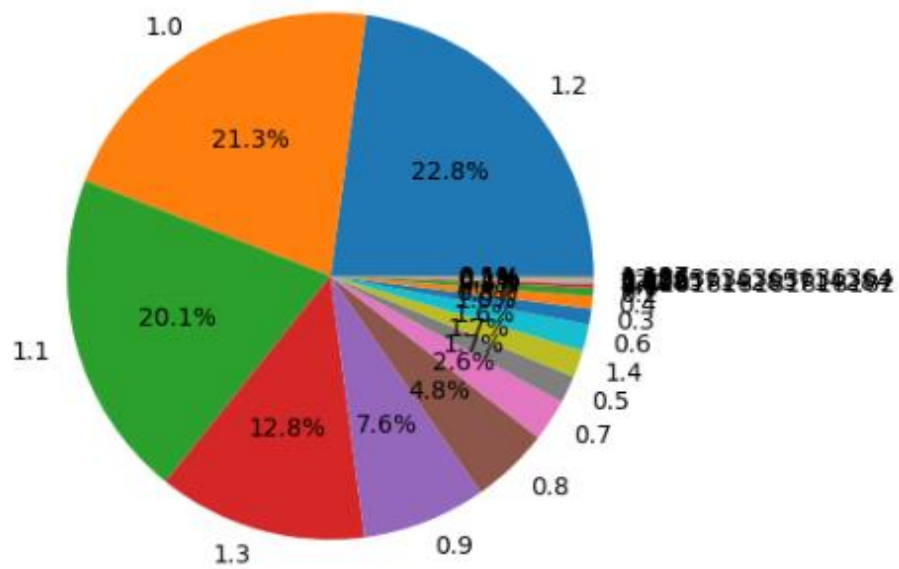
Doggo is the most dog stage with 69%. And the Second is floofer. The lowest stage is puppo. We can see the difference between doggo and puppo is so much.

- The rating point in time



We can see the rating point in time. The time before 2017-01, we can see have so many rating points less than 1. And after this time, the rating pointing increased and was almost stable from 1.0 -> 1.4. We can say that the rating point depends on the time.

- **The most Rating point**



We can see almost the rating point in the range from 1.0 to 1.2 (more than 60%). And 1.0, 1.1, and 1.2 are almost the same. The most rating point is 1.2 with 22.8%.