

## Wrangle and Analyze Data Report (Rate Dogs Twitter Data)

### What is Data Wrangling?

Data wrangling is the process of cleaning, structuring and enriching raw data into a desired format for better decision making in less time. Data wrangling is increasingly ubiquitous at today's top firms. Data has become more diverse and unstructured, demanding increased time spent culling, cleaning, and organizing data ahead of broader analysis. At the same time, with data informing just about every business decision, business users have less time to wait on technical resources for prepared data.

In this project I downloaded my files and started wrangle and analyzing them and noticed some quality issues that need to be fixed and modified .. I fixed them one by one in the step of cleaning the data .. These issues were like some unimportant columns and as we know that they affect the visibility of the data, so they should be deleted, too. There are columns and I combined them to make the shape better and arranged and the columns are (doggo, floofer, pupper, and puppo) as I collected them in one column only, as well as there were variables of incorrect type so I modified that and this is a very important step because the data type must be correct, and in some columns there are small and capital letters in At the same time, this gives a bad impression and an inappropriate view of the data. Of course, it must be repaired and converted into lowercase letters. I modified some column names and merged each other and fixed the errors, and in the end I performed the (merge) operation.

Of course, after every step, I made sure to check the processes that they were working correctly, and finally I showed them in drawings I tried to make it as clear as possible to everyone.