Data Source: Wordle

1. **What table could be populated from this data source?**

A table that could be produced from this data source could be organized with the data in rows corresponding to a specific attribute. Some attributes that could be included in this table are: time of day wordle was completed, amount of tries it took to complete it, and the date. The instances or rows would just be filled in with the data I have been tracking

2. **What is at least one other table of data you could combine with this one to form a larger and more informative dataset?**

Another table that I could combine with this could be if I started tracking how much I slept the night before and matching it up with the dates on the original table to see how it affects my score. Or a comprehensive table with averages on how many tries it took a user to complete the wordle around the world to see if I was above or below the majority.

3. **For each table in your dataset:**
    1. **What is an instance? What is the universe of instances?**
        - An instance can be thought of as an object or a row in your table. It is sort of the meat of the table that holds all the data. An instance for example in my table would be a row containing all info corresponding to the attributes. The universe of instances or sample set of the table would be a specific date interval of the data.
    2. **What are the attributes? For each attribute:**
        1. **Is it categorical/discrete or continuous?**
            - The attribute for time of the Day would be categorical since there is a time entered. Another attribute, amount of tries, would also be categorical since it is on a fixed scale between 1 and 6. The final attribute which is the date the wordle was completed would also be categorical
        2. **What is its scale of measurement (e.g. nominal, ordinal, interval, ratio)**
            - Time of the day would be nominal since the time of the day is without order but is categorized. Amount of tries would maybe be ratio scaled since 0 would mean did not attempt the wordle that day. Then the date attribute would be ordinal since there is an inherent order in dates.
    3. **Is there a key?**
        - I would say that there is not a key in this table since there is not an exact attribute that would identify an instance.
    4. **Is there an attribute (or attributes) that would logically serve as a class for supervised learning? Meaning would it be logical/interesting to predict this attribute based on the other attributes? What would be the value of predicting this attribute?**
        - I think that the attributes of the amount of tries and time of day the wordle is completed could serve as a class for supervised learning. Looking at how the tries trend up or down whether the wordle is completed earlier or later in the

day could be interesting to predict. The value of this can be brain processing and function at different times of the day.

4. **What would be a common key you could use to identify instances across your tables?**

A common key that I could use to identify instances across my table would most likely be dates. For example, if I am looking for specific days I could enter specific dates like in DA3 to observe the data.