Project Part 3

Using my iPhone screen time data, I can drive tables that hold the app category amounts. They can be week by week and even day by day tables. I can create a table of which apps were used during a given use of my phone and the apps that give me the most notifications. In a broader sense, I can generate a table that displays the activity happening in my iCloud account.

I could combine the matching list of days in a year, either associating to the school calendar or to the weather on a given day through the "date" keyword. With the days of the school year, I would cross reference the importance or how busy I was on that day with how much I used my phone. In terms of the weather, I would be comparing the weather conditions for the day with how often I used my phone and which apps took more precedence in that use.

For the first table, the iPhone screen time, an instance would be 'October 12th , 2021' or '10/12/2021' like it would be in the table. The universe of instances is days within the range of dates included. The key for the table would be this series of days within the given range of dates. The attributes are columns like most used app, number of pickups, first app used after picking up, most notified app, and hours spent in different app categories. Most used app is a categorical and nominal type of data. Number of pickups is continuous and interval data. First app used after a pickup is categorical and nominal data. Most notified app is also categorical and nominal data, but the number of notifications is continuous and interval data. Finally, the hours spent in different app categories is categorical and nominal. The most used app would most certainly be a contender for supervised learning as it is likely repeated several times throughout the instances given. On a less-busy day the most used app may often be a streaming or social media app rather than a calculator or search browser app on busy days. The value of predicting this attribute would be to tell myself which apps I need to scale back on losing track of time with.

Lastly, I could use the dates column to reference individual days as keys for identifying instances of certain attributes in my table.