

Screentime Analysis

Ever wondered where your phone time goes? Screen time analysis is like a digital fitness tracker, revealing how much time you spend on apps and websites. By analyzing this data, you can gain valuable insights into your tech habits and make informed choices about your digital life.

For the task of screen time analysis, I found an ideal dataset that contains data about:

- 1. Date
- 2. Usage of Applications
- 3. Number of Notifications from Applications
- 4. Number of times apps opened

You can download the dataset from here.

Screentime Analysis with Python:

Let's Analyze Your Screen Time with Python: Gear up for a journey into screen time analysis using the power of Python. We'll import essential libraries and explore the data to gain valuable insights.

```
import pandas as pd
import numpy as np
import plotly.express as px
import plotly.graph_objects as go
data = pd.read_csv(r'Screentime.csv')
print(data.head())
        Date Usage Notifications Times opened
                                                    App
0 08/26/2022
                38
                              70
                                           49 Instagram
1 08/27/2022
                39
                              43
                                           48 Instagram
2 08/28/2022
              64
                                           55 Instagram
                             231
3 08/29/2022
               14
                              35
                                           23 Instagram
4 08/30/2022
                3
                                            5 Instagram
                              19
```

Now let's have a look if the dataset has any null values or not:

```
data.isnull().sum()

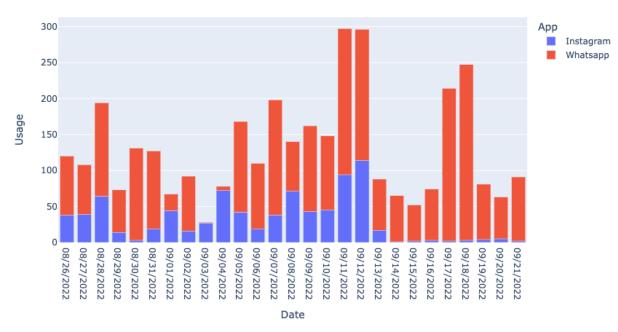
Date 0
Usage 0
Notifications 0
Times opened 0
App 0
dtype: int64
```

Since there are no missing values, we can proceed with calculating descriptive statistics to understand the data distribution.

print(data.describe()) Times opened Usage Notifications count 54.000000 54.000000 54.000000 65.037037 117.703704 61.481481 mean 58.317272 43.836635 std 97.017530 min 1.000000 8.000000 2.000000 25% 17.500000 25.750000 23.500000 50% 58.500000 99.000000 62.500000 90.000000 75% 90.500000 188.250000 244.000000 405.000000 192.000000 max

Let's delve into the user's screen time! We'll begin by examining how much time they spend using each app.

Usage

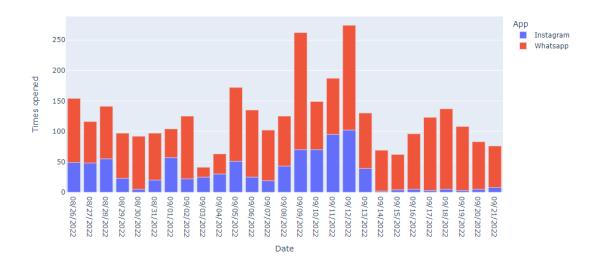


Now let's have a look at the number of notifications from the apps:



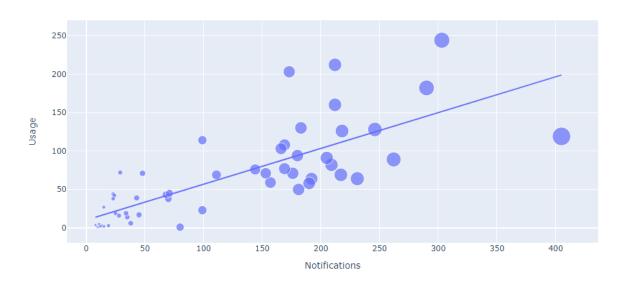
Now let's have a look at the number of times the apps opened:

Times Opened



Intriguingly, notifications often trigger smartphone usage. Let's explore the potential correlation between the number of notifications received and the amount of app usage.

Relationship Between Number of Notifications and Usage



There's a linear relationship between the number of notifications and the amount of usage. It means that more notifications result in more use of smartphones.

In Conclusion:

This Python guide has equipped you with the tools to analyze your own screen time! We've explored techniques to uncover app usage patterns, notification influences, and app opening frequency.