PHASE3:DEVELOPMENTPART1

WEBSITETRAFFICANALYSIS

PRIYADARSHINIENGINEERINGCOLLEGE

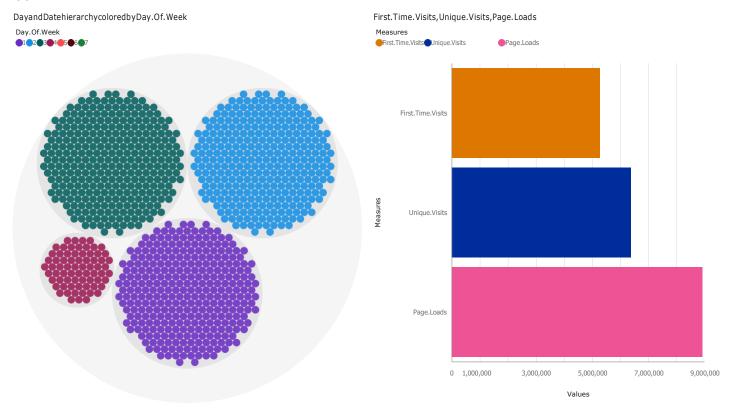
Website traffic analysis is the process of collecting, examining, and interpreting data related to the visitors and interactions on a website. It provides invaluable insights into user behavior, preferences, and trends, helping organizations make informed decisions, optimize their online presence, and enhance user experiences.

Abstract:

This projectaimstoanalyzewebsitetrafficdataforinsightsintouserbehavior, popular pages, and traffic sources. It involves data collection, visualization using IBM Cognos, and Python for advanced analysis.

The goal is to optimize user experiences and enhance websiteperformance.

Tab1



Insights:

Basedonthecurrentforecasting, First. Time. Visits may reach over 395 thousand by Day Monday + 1.
The over all number of results for First.Time.Visits is overtwo thousand.
Theoverallnumberofresultsfor Page. Loads is over two thousand.
Theoverallnumberofresultsfor Unique. Visits is overtwo thousand

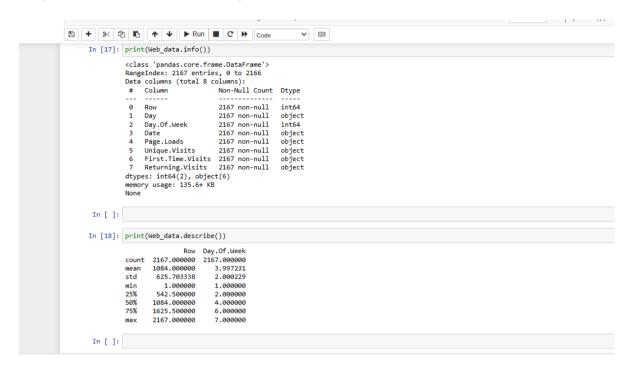
'PythonIntegration' for Website Traffic Analysis:

Including the Insights into the Python to know the actual data that provided by Kaggle

```
In [ ]:
    Web_data.dropna(axis = 0,inplace=True)
            print(Web_data)
                            Day Day.Of.Week
                                                Date Page.Loads Unique.Visits \
                                        1 9/14/2014
2 9/15/2014
                         Sunday
Monday
                                                         2,146
3,621
                                                                     1,582
2,528
                        Tuesday
                                         3 9/16/2014
             3
                   4 Wednesday
                                        4 9/17/2014
5 9/18/2014
                                                         3,667
3,316
                                                                     2,614
                       Thursday
                                                                     2,366
                                       7 8/15/2020
1 8/16/2020
                                                         2,221
            ... ... 2162 2163 Saturday
                                                                     1,696
                       Sunday
Monday
                                                         2,724
                                                                     2,037
                                                         3,456
3,581
2,064
             2164 2165
                                         2 8/17/2020
                                                                     2,638
                                         3 8/18/2020
             2165 2166
                         Tuesday
                                                                     2,683
1,564
             2166 2167 Wednesday
                                         4 8/19/2020
                 First.Time.Visits Returning.Visits
                           1,430
2,297
                                            231
            1
                           2,352
            3
                           2,327
                           2,130
                                            236
             2162
                           1,373
             2163
                           1,686
                           2,181
            2165
                           2,184
                                            499
```

```
2166 1,297 267
[2167 rows x 8 columns]
```

Gettingofdatasetinformationusinginfofunction.



Printing the values ofdata setusing Pandas Library

