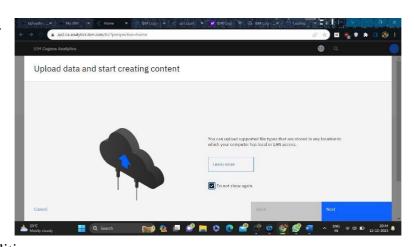
Air Quality Analysis

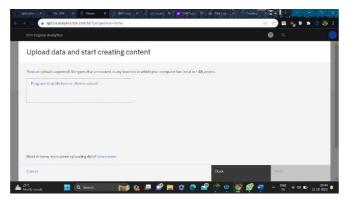
Phase 3

Dataset Loading and Preprocessing:

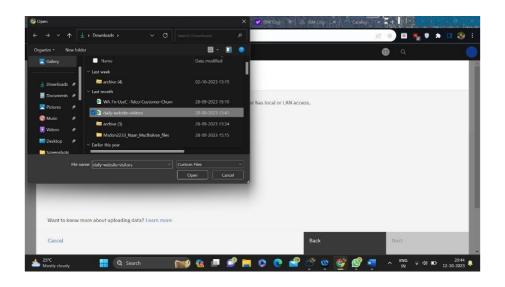
Loading or Uploading Dataset:

- In this phase of the project we are going upload our dataset for analysis which is already provide through Kaggle link in the SkillUp platform.
- For this purpose, first of all we have to access to the IBM Cloud services and IBM Cognos Analytics suit.
- All must create a IBM Account and register as lite account for gaining access to the some premium membership accessibilities.



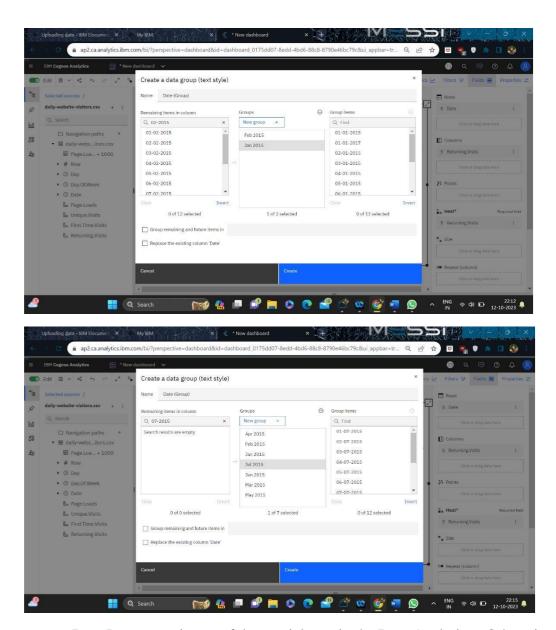


- A Lite account can use the features of IBM software of web applications upto a certain limits in time period, no.of sessions per month, storage limits etc.
- After the account is created and accessibility gained we have create a project and Upload our Dataset that need to be analysed into the My Conents section. Using selecting from storage option or drag and drop option.



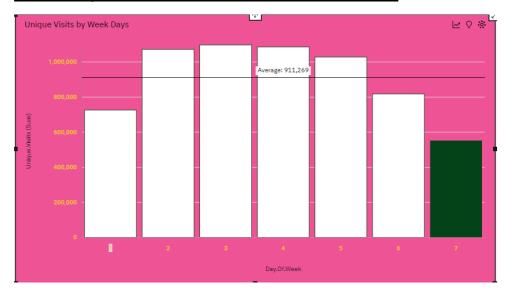
Preprocessing Dataset:

- Clean the data by handling missing values, outliers, and data quality issues.
- Transform and reshape the data as needed. This might include feature engineering, data aggregation, or other data preparation.



- Data Preprocess is one of the crucial step in the Data Analytics. Otherwise our analysis can be irrelevant due to unwanted noises in the data.
- This includes null value removal, formatting, etc.

Basic Analysis and Visualization (Dashboard Creation):

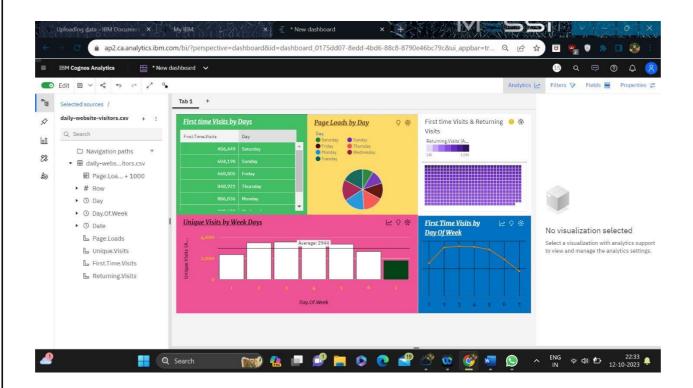


Analysis:

- Use IBM Cognos for descriptive and exploratory data analysis. Conduct statistical analysis to understand the dataset's characteristics.
- Identify patterns, trends, and correlations within the data. Look for potential factors that may contribute to website traffic analysis.

Visualization:

- Create visualizations using IBM Cognos to present your findings. This might include:
- Histograms, scatter plots, and box plots to visualize data distributions and relationships.
- Line charts or time series visualizations to explore trends over time.
- Dashboards that summarize key insights in a user-friendly manner.



Basic Dashboard:

