

Google ads Hourly Analysis

Date: 07-06-2023

Project Start Date - End Date	 Start Date – 07 -06 -2023 End Date – 07 -06 2023
Objectives	 To analyses how many people who clicked on the advertisement enrolled in our course General exploratory analyses General descriptive analyses
Milestones accomplished the week of Start Date - End Date:	 Descriptive analyses Exploratory analyses Classification of data with respect to term

Contact Information

This project is performed for educational purpose of under the guidance of Siddhivinayak Sir.

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Project Abstract

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This is Marketing Analysis for Education technology company.

In this data Impression indicates the visibility of the Advertisement., Clicks indicates the interested persons, sales unit indicates the purchase of service. As we are looking for at which preferred time in a day where we can do marketing and we will get sales definitely.

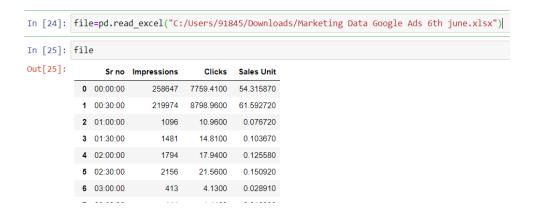
We have analyze using Descriptive and Exploratory Analyses also further we have used linear regression algorithm.

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Importing the libraries

```
In [56]: import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
```

Importing the dataset



Processing Dataset

```
[n [26]: dataset = file.drop(file.columns[0], axis=1)
```

Splitting the dataset into the Training set and Test set

Training the Simple Linear Regression model on the Training set

```
In [49]: from sklearn.linear_model import LinearRegression
    LR = LinearRegression()
    LR.fit(X_train, y_train)
```

Predicting the Test set results

Visualizing the Training set results

```
In [55]: plt.scatter(X_train, y_train, color = 'red')
   plt.plot(X_train, LR.predict(X_train), color = 'blue')
   plt.title('Clicks vs sales (Training set)')
   plt.xlabel('clicks')
   plt.ylabel('Sales')
   plt.show()
```



Conclusion

From the graph we can conclude that the linear regression is giving perfect accuracy for advertisement data.

Data Visualization (using Tableau)

