

Data analytics using Python(UID-2)

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Introduction to Problem Statement

I was given some datasets from which I need to extract useful data to get knowledge about general trends. I have to plot graphs between various data elements which eases visualizing given data.

Existing Resources

I used the inbuilt libraries like numpy,pandas,matplotlib,seaborn to analyze the given data, instead of writing full codes.

Proposed Solution

Using existing codes of various libraries datasets can be analysed easily.

Methodology & Progress (Mention the work done week-wise)

In the first two weeks I did tutorial of basic python and learned about various libraries like numpy,pandas,matplotlib,seaborn. We were also given exercise datasets to check how much we have learned. In the 3rd week I worked on a dataset consisting the indian gdp. I get various insights from the data, plotted growth rates, gdp bars etc. In 4th week I worked on netflix dataset where i get to know how using simple data analysis companies can predict the taste of the audience/buyers. In the last week i did some tutorials on linear regression and a dataset which includes linear regression.

Results

Please add the link to drive folder/ github page consisting of code files and reports

I have uploaded all the jupyter notebook codes in a single repository, the link of which is given below : https://github.com/amitmalakariitb/DATA_ANALYSIS_WITH_PYTHON

Learning Value

I have learned a lot of new things like using various libraries, how to analyze extremely large data and find various trends in the data. I also learned the concept of linear regression and how to use it. To sum up i learned more than i expected during joining the project.

Tech-stack Used

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Suggestions for others

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Contribution by each Team Member

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References and Citations

<i>I used youtube and online resources extensively during the whole project.</i>
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