Data Science Meetup

Meetup title: Data Analysis with Python

This particular webinar was conducted by Aakash N S. Main focus of this session was to get students with no knowledge of data analysis or python to be familiar with the basics. As this session was divided into 6 sections from 1st session being related to what python is and how to set it up. The 2nd section mostly dealt with the basics of python, related to commands and functions. If and for loop were some of the basic information shared over this part.

From section 3 onwards , main focus moved to numpy ,arrays, list and at the end of the session how to read and get basic information from a CSV file. This continued in section 4 where the organiser focused on manipulation the CSV file after being brought into the python environment. This included reading and writing csv data using pandas, querying, filtering and sorting dataframes, Grouping and aggregation, also merging and joining similar data from different sources.

Section 5, tried to impart basic level knowledge regarding use of visualisation for data analysis. Main libraries used in this part were matplotlib and seaborn, Basics of how to create bar chart, line chart, histogram and heatmap was discussed with focus on how to customize the chart based on the client needs and preference.

Section 6 was part case study to use everything which was previously taught and then information about the organisers community and how it will be useful to us as infants in the data science world.