

ASSIGNMENT 2 PRESENTATION ABOUT DATA VISUALIZATION

PRESENTED BY GROUP 9

DATA VISUALISATION

QUESTION 1

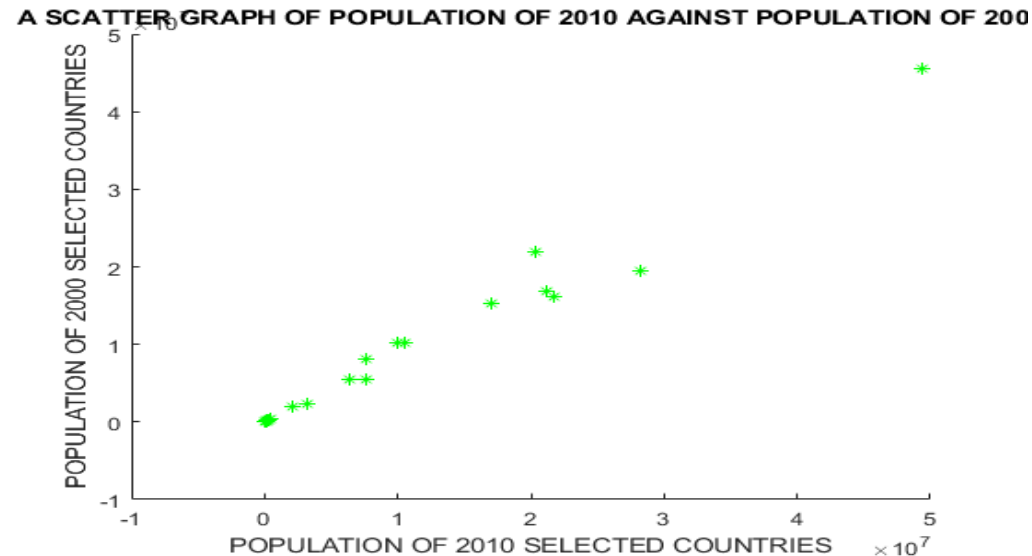
- Data entry
- Data extraction
- Operations done on data
- 2D plotting
- 3D plotting

QUESTION 2

- Method of data entry
- Different attributes for each member
- 2D data plotting
- 3D data plotting

2D PLOTTING

- This involves all charts drawn on two axes.
- Such graphs included, bar graph, line graph, pie chart, scatter plot, horizontal bar graph. Etc



QUESTION ONE

DATA ENTRY.

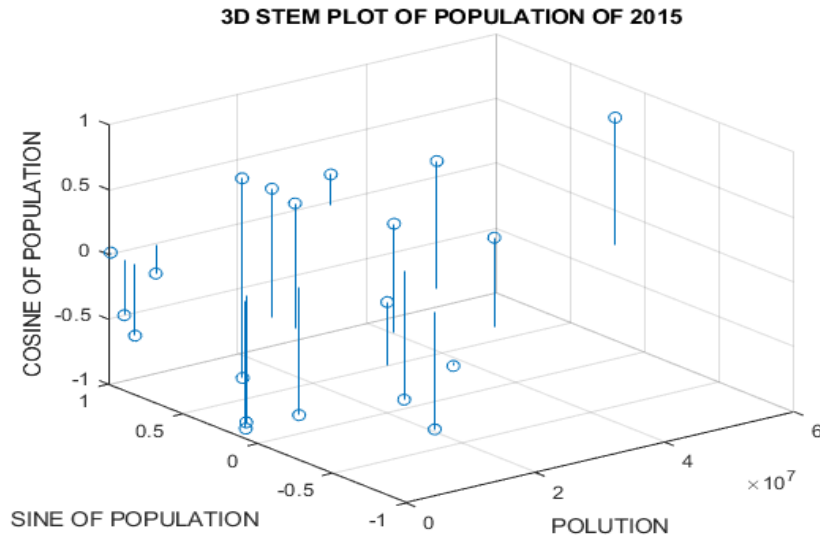
- Use readtable command in Matlab followed by a filepath i.e
`worldpopulation=readtable("C:\Users\Sober\Desktop\NAMARA ROMUS\matlab
assignment\world_population.xlsx");`
- This code read the table called **world population**

DATA EXTRACTION

- Use the read table to allow extraction.
- For example,
- To extract data for population of 2015, we used the code;
- **populationof2015=worldpopulation(:,[1:5 8]);**
- This code extracts all rows and columns from 1 to 5, then 8 of table worldpopulation.

3D PLOTTING

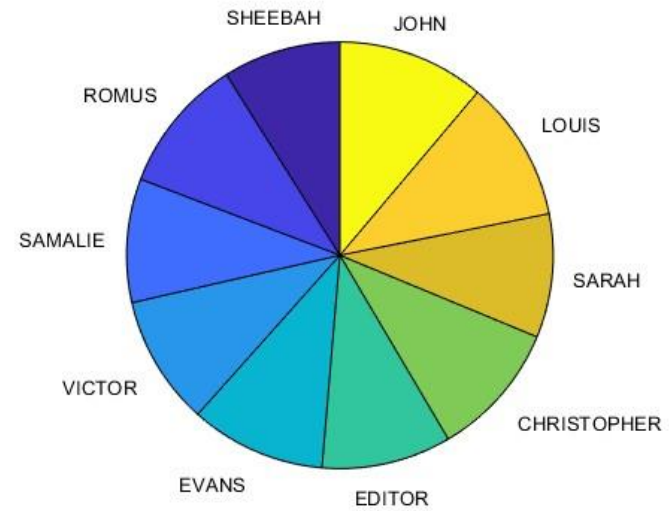
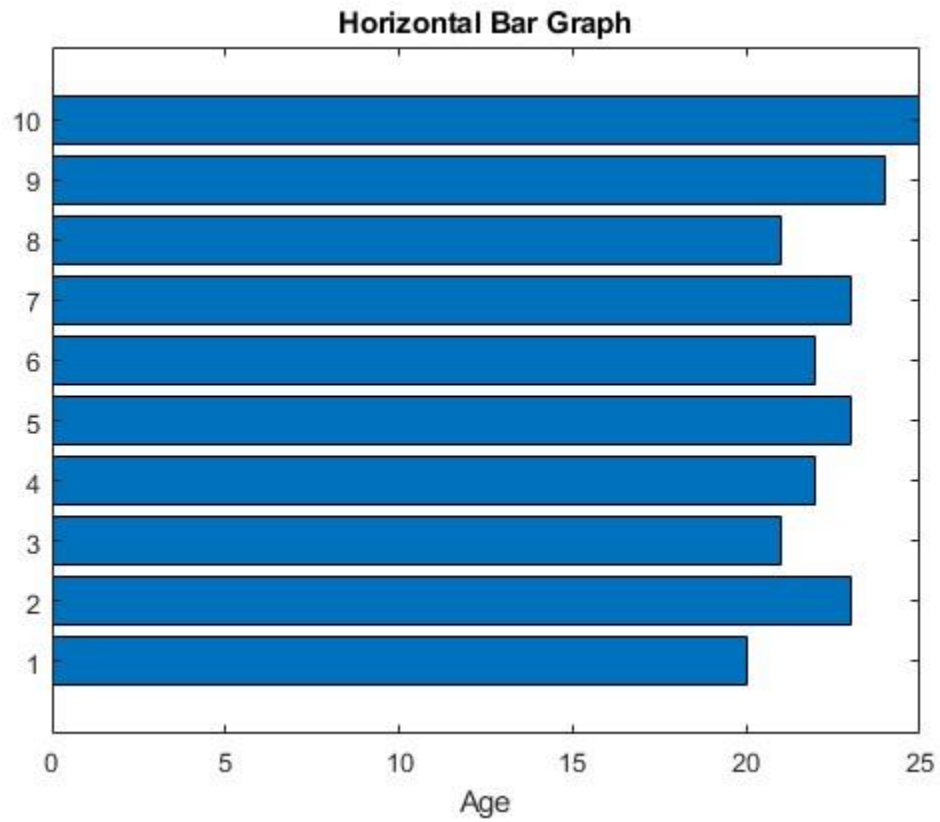
- It involved plotting on three axes.
- One of the plot is called a stem plot shown below.



NUMBER TWO

- Individual data was different parameters.
- Such data included;
- Name, course, interests, background, age, village etc
- These were used to plot graphs in both 2D and 3D

2D PLOTTING



3D PLOTTING

