7PAM2000 Applied Data Science 1  
 Assignment 1: Visualisation

By

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**Introduction**

1.The first visualisation method I used was Line plot Total files held in the office over years from 1955 to 1985.

2.The second visualisation method I used bar chart Patients Diabetics analysis done by the hospital.

3.The third visualisation method I used was pie chart Economic distribution in different countries.

GitHub Link : <https://github.com/bm23abb/Assignment-1-Visualisation>

**VISUALISATION 1: Total files held in the office over years from 1955 to 1985**

**Source:** https://data.gov.uk/

**A graph of data showing the number of files held

Description automatically generated**

The line plot represents the polices that are held in an office over years. In the plot I took the office data from 1955 to 1985.The line plot give two different line output. In it the blue line presents number of files held. The orange line indicates the number of documents held over year.

**VISUALISATION 2:** **Patients Diabetics analysis done by the hospital**

**Source:** <https://www.data.gov.uk/dataset/4ca38978-b723-49fe-a2da-ac4516b216e2/national-paediatric-diabetes-audit-2011-2012/datafile/66215b66-1d54-481e-a9d5-558e9cd3a7b4/preview>A graph of different colors

Description automatically generated

In the bar chart this shows about the hospital record of diabetic patients. In the bar chart where each bar is labelled with the values from the PDU code that are given by the hospital as hospital code. The unique level of bar indicates that different patient’s diabetics level in percentage. This provides a clear difference between each bar and its corresponding “PDU Code”.

**VISUALISATION 3:** **Economic distribution in different countries**

Source = https://data.fivethirtyeight.com

A colorful circular chart with text

Description automatically generated

In this pie chart it differences in economic distribution of different countries. The various colour shown in the pie chart says different counters economy in percentage. The legend in the script will indicate the countries corresponding to each segment.