DA&V Mini Project:

Topic: Trade Data Statistics
Abstract:

Import and export statistics, often known as trade data, are statistical data regarding international trade that are usually grouped by time period, country, and commodity. The most popular source for measuring the physical flow of commodities across borders is customs data. It is undoubtedly difficult to keep track of all import and export statistics of each country, as well as to compare their imports and exports. So, how to get the required information from such data? Visualizing the data is far better than wrangling this massive amount of data in CSV. Data analysis and visualization provide a quick, high-level summary of the information contained in the data. Trade is an inseparable part of the world and it is essential to know the patterns and relations between such trade data.

Description:

We have collected the trade data of the recent few years of different countries and prepared a dashboard that presents an interactive visualization of the trade data (import and export). It shows the top 5 commodities as well as countries indulged in import and export since 2017 in the form of a bar chart to give a better understanding. Then it shows a connected scatters graph to provide a better understanding of the yearly import and export trend of services trade and merchandise trade. Further with the help of a multi-bar graph, top countries are shown in respect of their import and export. And in the end, a donut chart is used to illustrate the total contribution of different countries to the trade in the year 2021-22.