

DATA VISUALIZATION

Problem Statement 1:

Library [plotly](#) helps make brilliant visualizations that are highly interactive and appealing. Use this library to understand the distribution of [Rainfall](#)(only for the purpose of assignment) in India across different states. Also, provide a drop-down menu to choose the state the user wants to view in the visualization and a slider to control the range of months/years the user wants to view on the graph.

Problem Statement 2:

[TamilNaduAgri](#) contains District-wise data of crops grown in an area for a given year and extent of land devoted for that crop. Analyze the top 5 crops to Tamil Nadu in terms of land used over all the years. Have there been any trends or shifts observed.

Problem Statement 3:

Gun violence is a growing crime especially in the United States due to more liberal Gun Laws than in other parts of the world.

[GunViolence](#) contains details of this crime. Provide a suitable visualization of the same accounting for the distribution of the crimes across the country.

Problem Statement 4:

The [NewYearResolution15](#) contains New Year Resolutions taken for the year 2015. These have also been categorized as seen in Resolution_Category. Provide suitable visualization to best represent this data.