
Date of Submission: 30 August 2018

Max Marks:20

Note: Its important to work on your approach than the final answer. Since solutions will vary from group to group, right justification for technique used will be vital. It is a group assignment, one submission per team is sufficient. General instructions for Blue Books hold good.

TOPIC: DATA VISUALISATION

Question1

(7 Marks)

Library [plotly](#) helps make brilliant visualisations 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 dropdown menu to choose the state the user wants to view in the visualisation and a slider to control the range of months/years the user wants to view on the graph.

Question2

(5 Marks)

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

Question3

(3 Marks)

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 visualisation of the same accounting for the distribution of the crimes across the country.

Question4

(5 Marks)

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