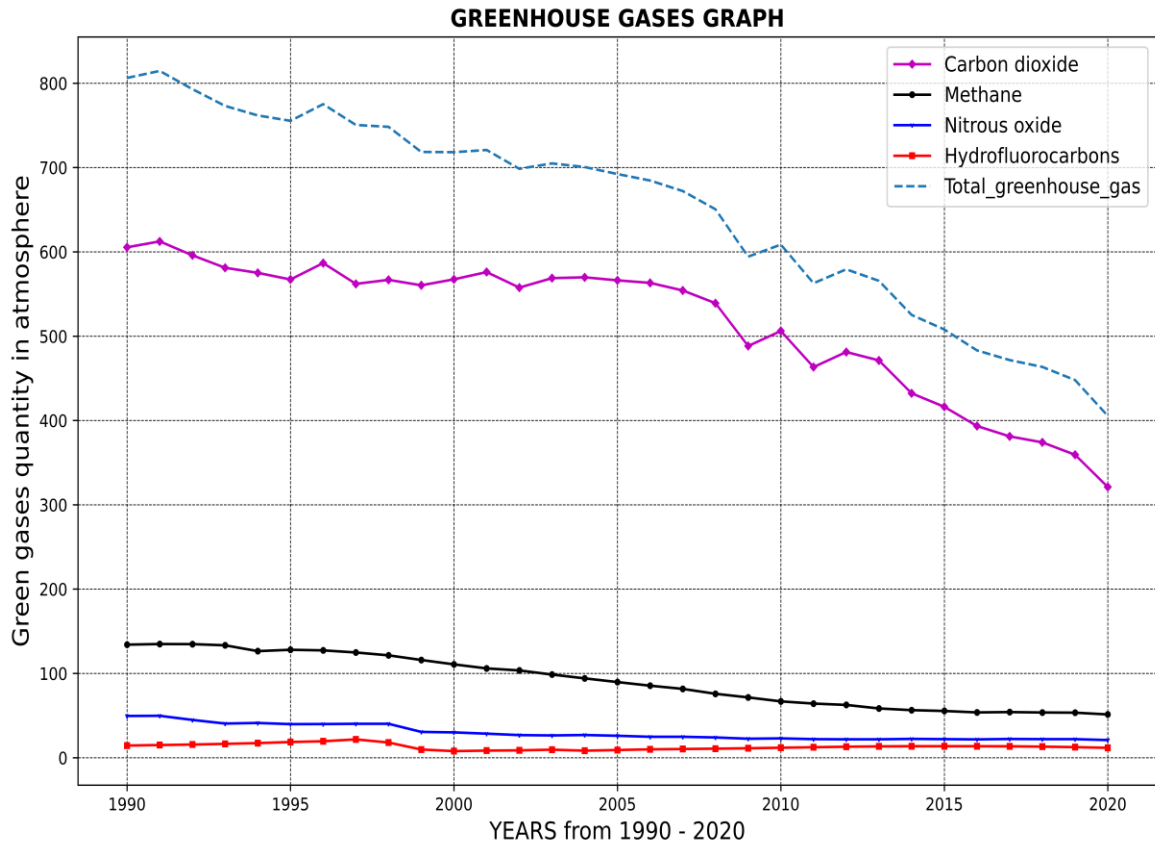
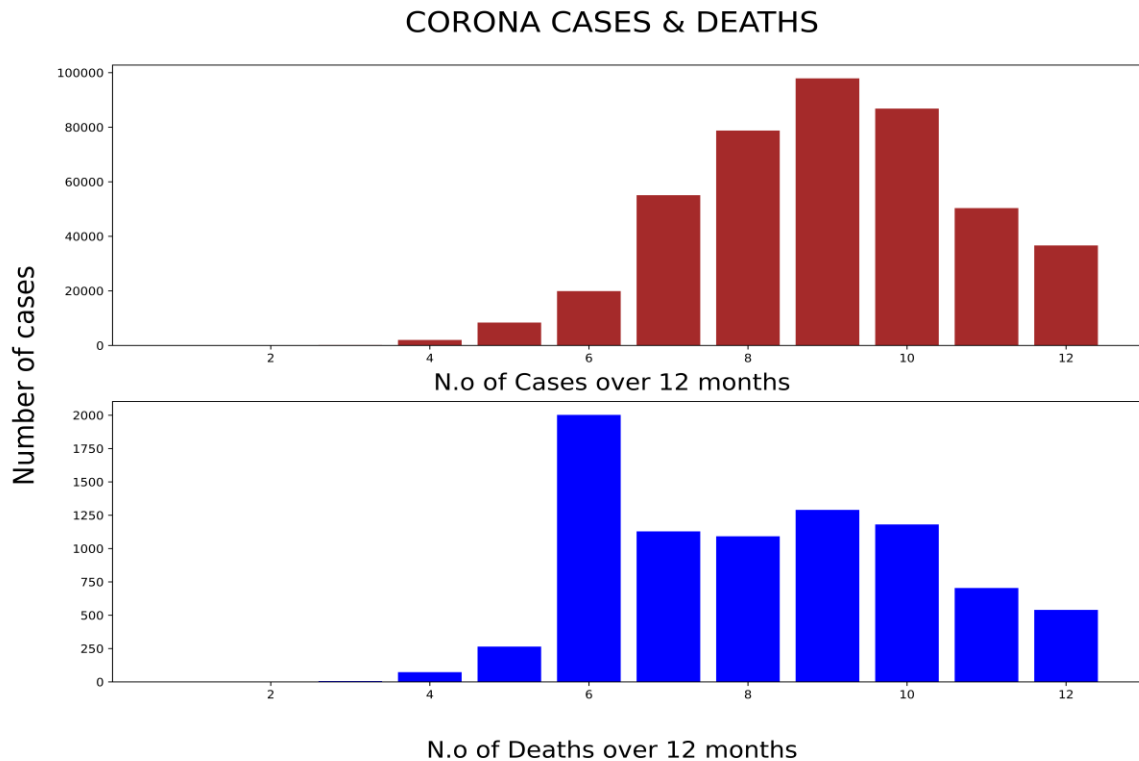


ASSIGNMENT – 1

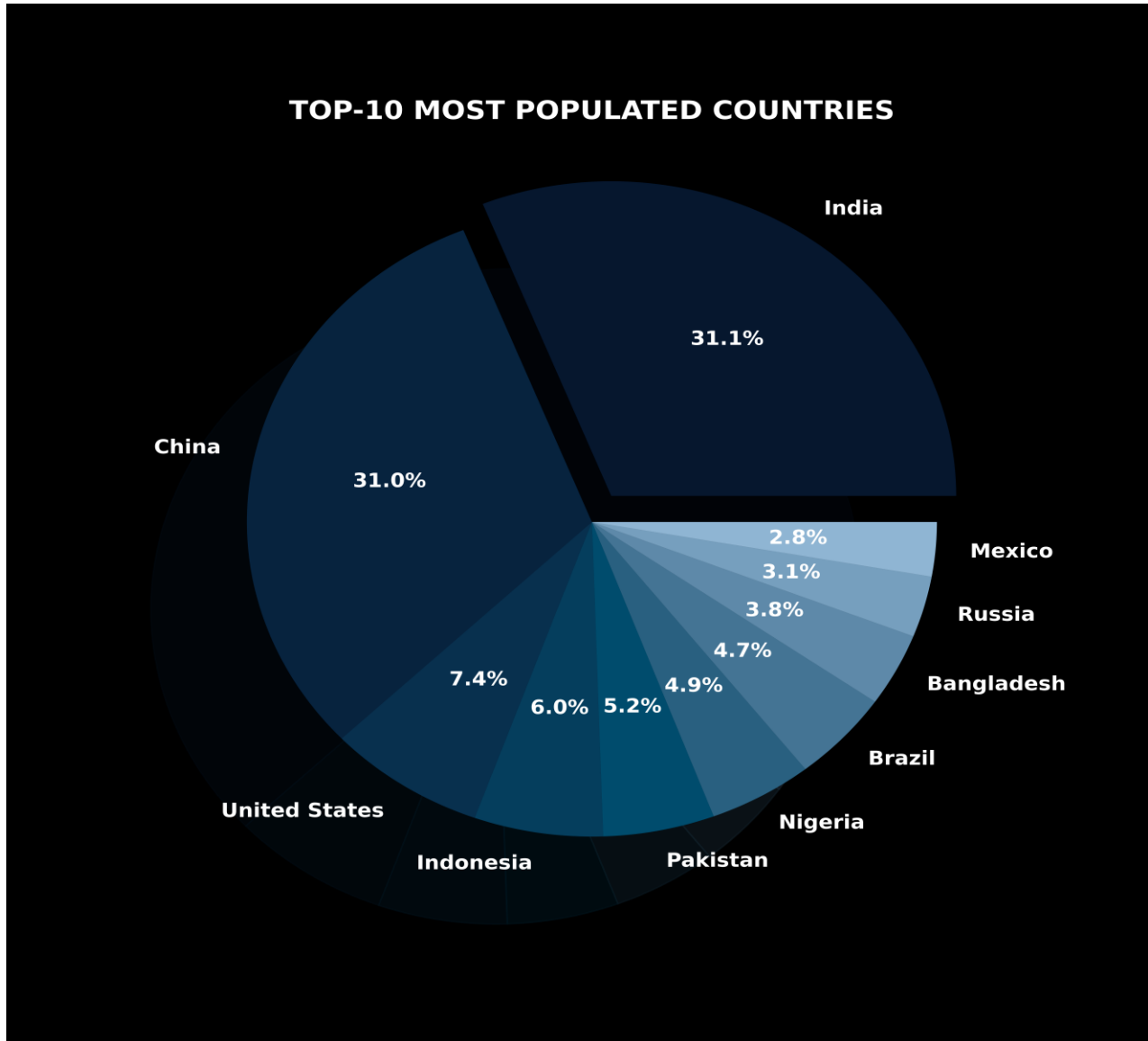
VISUALIZATION – 1: GREENHOUSE GASES STATS FROM 1990 – 2020.



- Line graphs are used to represent the graph of continuous data like to show the changeover of temperature in a period.
-
- The graph shows changes of greenhouse gases (carbon-dioxide, methane, Nitrous oxide, Hydrofluorocarbon's) in the environment over 20 years of time. Over the total period carbon dioxide remains high in the environment. Hydrofluorocarbons have the lowest quantity in the atmosphere. Every individual gas dropped in quantity from 1990 to 2020 with some fluctuation



- The above plot is a BAR PLOT generally used to compare absolute data as well as fractional data. The size of the bar represents its numeric value. Comparing the data and finding difference between two identities is simple, and mostly used plot.
-
- Here, the bar plot is used to see the graph on covid-19 data. In the above subplots, x-axis depicts months and Y-axis represents a number of cases for both plots. 1st graph shows number of covid-19 cases in 2020 from month 1-12, the 2nd graph illustrates number of deaths due to covid-19. Plots have different colors for each bar.



- The above plot is PIE plot, which is mostly used to compare the absolute number, best plot to represent the normalized data, the plot visually shows the quantity difference from big to small.

- The above plot illustrates the data of top-10 most populated countries order wise from smallest to biggest. The size of arc increase linked to population percentage of country. The highest population country India has largest arc and least populated country in data have smallest arc.