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**Dataset URL:** [**https://drive.google.com/file/d/1pXnM6Img\_49QI4UwxkdMYoqxcBVlhPXU/view?usp=share\_link**](https://drive.google.com/file/d/1pXnM6Img_49QI4UwxkdMYoqxcBVlhPXU/view?usp=share_link)

**Code Repo(GitHub URL):** [**https://github.com/kashir123/Assignemnt-1-Visualisation.git**](https://github.com/kashir123/Assignemnt-1-Visualisation.git)

**Visualisation 1: Fuel Consumption and Emissions over the years**

**Chart, line chart

Description automatically generatedChart, line chart

Description automatically generated**

Line plot is the best to show the data over the time period.

The Fuel consumption and emission took the jump after the year 2000 because the vehicle gets more common after that year, so the consumption of fuel and emissions increase after some years the electric vehicle came thus the fuel consumption gets control and now in current years the electric vehicle gets common, so expectation is that fuel consumption gets more controlled of in downward trend in future. However, from year 2016 to 2022 fuel consumption is already downward trend.

**Visualisation 2: Top five years which consume most of the fuel in 2000 to 2022.**

**Chart, pie chart

Description automatically generated Chart, pie chart

Description automatically generated**

Pie chart is the best option to compare the size between the selected timeframes.

In the years 2000-2022, 2009 was the year in which fuel consumption was at the peak between these timeframes followed by the other years and in 2015 emission was on peak followed by other years. This concludes that whatever percent of fuel is consumed the same amount is emission by the vehicle. These are the top five years in which fuel is consumed and emitted the most. This also means that in these years the concept of electric vehicle is less used and implemented or less common in the market that is why fuel consumption is higher in these year.

**Visualisation 3: Top vehicles make which consumes most of the fuel over the past years**

**Chart, bar chart

Description automatically generated**

Bar chat is best to identify and compare which vehicle consumes most of the fuel.

Over the past years 2000-2022 these are the top make which consumes most of the fuel we can conclude that people use these vehicle most in recent times that why they consume most of the fuel.