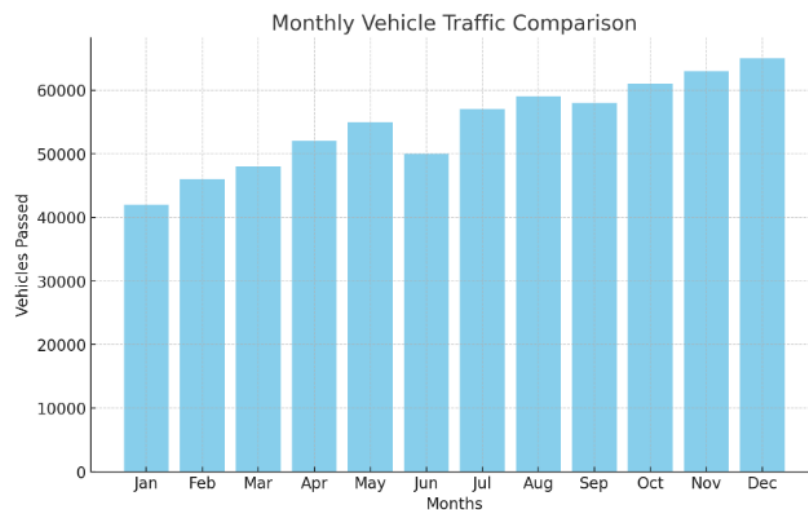


Vehicle Traffic Analysis In a Metro City Using Various Plots.**Data Set:**

Month	Vehicles Passed	Accidents	Fuel Price (₹/L)	Road Maintenance Cost (₹)
Jan	42000	45	97	15000
Feb	46000	42	98	15500
Mar	48000	50	99	16000
Apr	52000	48	100	17000
May	55000	52	101	17500
Jun	50000	55	102	16500
Jul	57000	60	104	18000
Aug	59000	58	105	18500
Sep	58000	62	106	19000
Oct	61000	65	107	19500
Nov	63000	63	108	20000
Dec	65000	68	109	21000

1.Bar Graph:**Why to use bar graph?**

A bar graph is ideal for comparing discrete values — it clearly shows how vehicle traffic changes month to month.

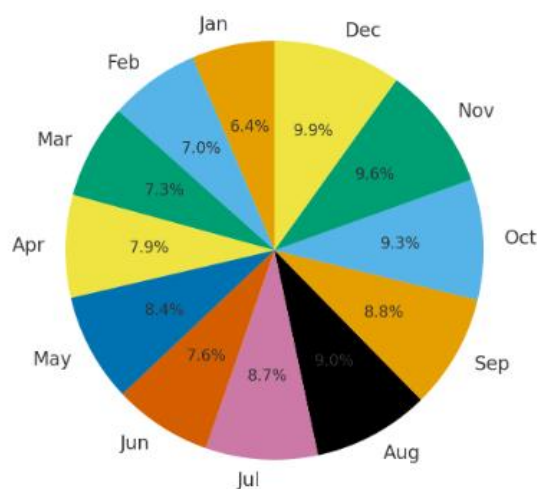


2. Pie Chart

Why to use Pie Chart?

A pie chart visually displays how much each month contributes to the overall annual vehicle flow.

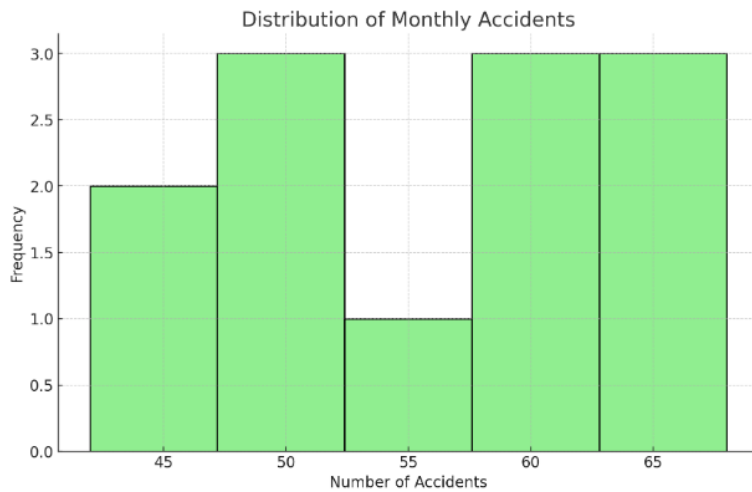
Monthly Contribution to Total Annual Traffic



3. Histogram

Why to use Histogram?

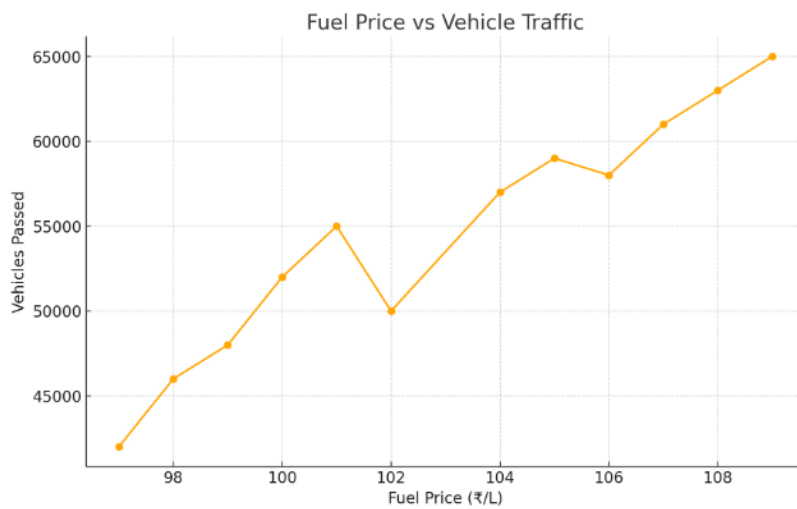
A histogram helps identify how accident numbers are distributed — showing whether accidents are usually low, moderate, or high.



4. Line Plot

Why to use Line plot?

A line plot effectively shows trends — you can see if higher fuel prices affect traffic flow.



5.Scatter Plot

Why to use Scatter Plot?

Scatter plots reveal correlation — here, you can analyze if better maintenance helps reduce accidents.

