"What are the most common causes of road traffic accidents in Addis Ababa, and how frequently do they occur?"

How does the sex of the driver relate to the number of accidents in Addis Ababa?"

"How does the age band of the driver correlate with the number of accidents in Addis Ababa?"

"How does the driving experience of the driver influence the number of accidents in Addis Ababa?"

 **What is the distribution of road accidents by the type of vehicle involved?**

 Here are some additional questions you can explore from your dataset:

1. **What is the distribution of road accidents by the type of vehicle involved?**
2. **How do accident frequencies vary across different areas of the city (e.g., residential, office, recreational)?**
3. **Is there a correlation between road surface conditions and accident severity?**
4. **How do accident severities differ by weather conditions?**
5. **Does driving experience have an impact on the number of casualties in accidents?**
6. **Which types of collisions (e.g., vehicle-vehicle, vehicle-object) are most common?**
7. **What is the relationship between the number of vehicles involved and accident severity?**
8. **What are the most common causes of accidents and how frequently do they occur?**
9. **How does the accident severity differ by time of day or hour (if time data is available)?**
10. **What is the relationship between the age of the driver and the type of vehicle involved in accidents?**
11. **Are there any noticeable trends in accident severity by road alignment type (e.g., curved, flat terrain)?**
12. **How do different types of road surfaces (e.g., asphalt, earth) affect the accident severity?**
13. **What factors most predict severe accidents (e.g., weather, driving experience, road alignment)?**

The most predictive factors for severe accidents in this dataset are:

1. \*\*Weather Conditions\*\*: Severe accidents are more likely in "Normal," "Windy," and "Raining" weather conditions.

2. \*\*Driving Experience\*\*: Drivers with less than 1 year of experience or no license have higher odds of severe accidents.

3. \*\*Road Alignment\*\*: Steep grades and mountainous terrain increase the likelihood of severe accidents.

4. \*\*Vehicle Type\*\*: Lorries, pick-up vehicles, and special vehicles are more likely to be involved in severe accidents.

5. \*\*Vehicle Defects\*\*: Certain vehicle defects slightly increase the likelihood of severe accidents.

These factors suggest that environmental conditions, driver experience, and vehicle type significantly impact accident severity.

1. **Is there any seasonal trend (e.g., more accidents in specific months or seasons)?**
2. **How does the service year of the vehicle (age of vehicle) relate to accident severity or number of casualties?**

You can approach these questions with both **descriptive statistics** (like counts and averages) and **visualizations** (such as bar plots, pie charts, or histograms), and also use **statistical tests** (like chi-squared or ANOVA) to investigate relationships between variables.

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