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import pandas as pd

import matplotlib.pyplot as plt

import seaborn as sns


# Load the CSV file (adjust encoding if needed)

df = pd.read_csv("global_traffic_accident.csv", encoding="ISO-8859-1")


# View basic info

print("First 5 rows of the dataset:")

print(df.head())


print("\nColumn names:")

print(df.columns.tolist())


# Check for missing values

print("\nMissing values in each column:")

print(df.isnull().sum())


# Basic statistics

print("\nSummary statistics:")

print(df.describe(include='all'))


# Group by country (replace 'Country' with your actual column name)

if 'Country' in df.columns:

    country_counts = df['Country'].value_counts()

    print("\nAccidents by country:")

    print(country_counts)


# Plotting

plt.figure(figsize=(10,6))

country_counts.head(10).plot(kind='bar', color='skyblue')
```

```
plt.title('Top 10 Countries by Number of Accidents')  
plt.xlabel('Country')  
plt.ylabel('Number of Accidents')  
plt.xticks(rotation=45)  
plt.tight_layout()  
plt.show()
```

You can repeat similar grouping for 'Year', 'Severity', etc.