

```
import pandas as pd
from google.colab import files
uploaded= files.upload()
df=pd.read_csv("dinesh.csv")
print(df)
print(df.isnull().sum())
```



Choose Files dinesh.csv

- **dinesh.csv**(text/csv) - 977449 bytes, last modified: 5/8/2025 - 100% done

Saving dinesh.csv to dinesh (3).csv

| | Accident ID | Date | Time | Location | Latitude | Longit |
|---|-------------|------------|-------|-------------------|------------|----------|
| 0 | b0dd6f57 | 19-04-2023 | 06:39 | Mumbai, India | 13.488432 | -73.290 |
| 1 | debfad09 | 17-01-2023 | 02:47 | São Paulo, Brazil | -37.798317 | -32.244 |
| 2 | 6d69aa36 | 09-04-2024 | 02:55 | Sydney, Australia | 33.767869 | 104.869 |
| 3 | 425bb1f0 | 10-10-2023 | 11:23 | Tokyo, Japan | -0.378031 | -165.825 |
| 4 | 90d5cf62 | 02-01-2023 | 12:07 | Beijing, China | 41.254879 | -30.776 |

| | | | | | | |
|------|----------|------------|-------|-------------------|------------|---------|
| ... | ... | ... | ... | ... | ... | ... |
| 9995 | 2d26c7e2 | 10-01-2023 | 18:41 | Paris, France | -41.344055 | 109.335 |
| 9996 | 4d236cfd | 04-04-2023 | 16:48 | São Paulo, Brazil | -60.765148 | -10.432 |
| 9997 | 1d32722f | 30-09-2024 | 14:43 | Beijing, China | -11.161278 | -72.164 |
| 9998 | 64722572 | 27-10-2024 | 18:34 | Sydney, Australia | -17.153524 | 20.803 |
| 9999 | 96272c1b | 26-10-2024 | 10:30 | Toronto, Canada | 21.917486 | 100.486 |

| | Weather Condition | Road Condition | Vehicles Involved | Casualties |
|------|-------------------|--------------------|-------------------|------------|
| 0 | Snow | Snowy | 5 | 7 |
| 1 | Clear | Icy | 4 | 1 |
| 2 | Rain | Snowy | 1 | 7 |
| 3 | Storm | Wet | 4 | 0 |
| 4 | Storm | Snowy | 3 | 9 |
| ... | ... | ... | ... | ... |
| 9995 | Storm | Wet | 3 | 10 |
| 9996 | Storm | Dry | 3 | 9 |
| 9997 | Snow | Under Construction | 2 | 3 |
| 9998 | Storm | Under Construction | 4 | 3 |
| 9999 | Storm | Icy | 5 | 4 |

| | Cause |
|------|--------------------|
| 0 | Reckless Driving |
| 1 | Drunk Driving |
| 2 | Reckless Driving |
| 3 | Drunk Driving |
| 4 | Reckless Driving |
| ... | ... |
| 9995 | Distracted Driving |
| 9996 | Weather Conditions |
| 9997 | Weather Conditions |
| 9998 | Drunk Driving |
| 9999 | Mechanical Failure |

[10000 rows x 11 columns]

| | |
|-------------------|---|
| Accident ID | 0 |
| Date | 0 |
| Time | 0 |
| Location | 0 |
| Latitude | 0 |
| Longitude | 0 |
| Weather Condition | 0 |
| Road Condition | 0 |
| Vehicles Involved | 0 |
| Casualties | 0 |
| Cause | 0 |

```
from google.colab import drive
import pandas as pd
```

```
# Mount Google Drive
drive.mount('/content/drive')
```

```
# Load dataset
file_path = '/content/drive/My Drive/dinesh.csv' # Update with your actual fi
data = pd.read_csv(file_path)
```

```
# Display first few rows
print(data.head())
```



Drive already mounted at /content/drive; to attempt to forcibly remount, c

| | Accident ID | Date | Time | Location | Latitude | Longitude |
|---|-------------|------------|-------|-------------------|------------|------------|
| 0 | b0dd6f57 | 19-04-2023 | 06:39 | Mumbai, India | 13.488432 | -73.290682 |
| 1 | debfad09 | 17-01-2023 | 02:47 | São Paulo, Brazil | -37.798317 | -32.244242 |

ieError

KeyError

NameError X

...



Please explain the error:

NameError: name 'px' is not defined



Hypothesis

The error message NameError: name 'px' is not defined indicates that the variable or function named px has not been defined or imported before it's used. In this case, px is likely intended to refer to the plotly.express module, which is commonly used for creating interactive visualizations in Python. The error occurs because the code tries to call px.bar without first importing the plotly.express module as px.

Suggested Changes



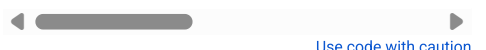
```
import plotly.express as px # Import the p
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
from google.colab import drive
```

```
# Mount Google Drive (if using Google Cola
drive.mount('/content/drive')
```

```
# Load dataset (update file path)
file_path = '/content/drive/My Drive/dines
data = pd.read_csv(file_path)
```

```
# Display first few rows
print(data.head())
```

```
fig = px.bar(data, x='accident_severity',
fig.show())
```


[Use code with caution](#)

► Sources

Rate this answer

| | ID | Date | Time | Location | Latitude | Longitude |
|---|----------|------------|-------|-------------------|-----------|-------------|
| 2 | 6d69aa36 | 09-04-2024 | 02:55 | Sydney, Australia | 33.767869 | 104.869018 |
| 3 | 425bb1f0 | 10-10-2023 | 11:23 | Tokyo, Japan | -0.378031 | -165.825855 |
| 4 | 90d5cf62 | 02-01-2023 | 12:07 | Beijing, China | 41.254879 | -30.776959 |

| | Weather Condition | Road Condition | Vehicles Involved | Casualties |
|---|-------------------|----------------|-------------------|------------|
| 0 | Snow | Snowy | 5 | 7 |
| 1 | Clear | Icy | 4 | 1 |
| 2 | Rain | Snowy | 1 | 7 |
| 3 | Storm | Wet | 4 | 0 |
| 4 | Storm | Snowy | 3 | 9 |

| | Cause |
|---|------------------|
| 0 | Reckless Driving |
| 1 | Drunk Driving |
| 2 | Reckless Driving |
| 3 | Drunk Driving |
| 4 | Reckless Driving |

```
# Check column names
print(data.columns)
```

```
# Handle missing values
data = data.dropna()
```

```
# Convert categorical columns to numerical
data = pd.get_dummies(data)
```

```
# Display processed data
print(data.head())
```

```
Index(['Accident ID', 'Date', 'Time', 'Location', 'Latitude', 'Longitude',
      'Weather Condition', 'Road Condition', 'Vehicles Involved',
      'Casualties', 'Cause'],
      dtype='object')
```

| | Latitude | Longitude | Vehicles Involved | Casualties | Accident ID_000cb |
|---|------------|-------------|-------------------|------------|-------------------|
| 0 | 13.488432 | -73.290682 | 5 | 7 | Fa |
| 1 | -37.798317 | -32.244242 | 4 | 1 | Fa |
| 2 | 33.767869 | 104.869018 | 1 | 7 | Fa |
| 3 | -0.378031 | -165.825855 | 4 | 0 | Fa |
| 4 | 41.254879 | -30.776959 | 3 | 9 | Fa |

| | Accident ID_000f4296 | Accident ID_0011279e | Accident ID_00146d55 |
|---|----------------------|----------------------|----------------------|
| 0 | False | False | False |
| 1 | False | False | False |
| 2 | False | False | False |
| 3 | False | False | False |
| 4 | False | False | False |

| | Accident ID_001cfd1f | Accident ID_0025183f | ... | Road Condition_Icy |
|---|----------------------|----------------------|-----|--------------------|
| 0 | False | False | ... | False |
| 1 | False | False | ... | True |
| 2 | False | False | ... | False |
| 3 | False | False | ... | False |
| 4 | False | False | ... | False |

| | Road Condition_Snowy | Road Condition_Under Construction |
|---|----------------------|-----------------------------------|
| 0 | True | False |
| 1 | False | False |
| 2 | True | False |
| 3 | False | False |
| 4 | True | False |

| | Road Condition_Wet | Cause_Distracted Driving | Cause_Drunk Driving |
|---|--------------------|--------------------------|---------------------|
| 0 | False | False | False |
| 1 | False | False | True |
| 2 | False | False | False |
| 3 | True | False | True |
| 4 | False | False | False |

| | Cause_Mechanical Failure | Cause_Reckless Driving | Cause_Speeding |
|---|--------------------------|------------------------|----------------|
| 0 | False | True | False |
| 1 | False | False | False |
| 2 | False | True | False |
| 3 | False | False | False |
| 4 | False | True | False |

| | Cause_Weather Conditions |
|---|--------------------------|
| 0 | False |
| 1 | False |
| 2 | False |
| 3 | False |
| 4 | False |

[5 rows x 12202 columns]

```
from google.colab import drive
import pandas as pd

# Mount Google Drive
drive.mount('/content/drive')

# Load the dataset
file_path = '/content/drive/My Drive/dinesh.csv' # Update with your actual fi
data = pd.read_csv(file_path)

# Display dataset shape and first few rows
print(f"Dataset Shape: {data.shape}")
print(data.head())

# Check for missing values
print("Missing Values:\n", data.isnull().sum())

# Summary statistics
print("Dataset Statistics:\n", data.describe())

# Display column names
print("Column Names:\n", data.columns)

# Check data types
print("Data Types:\n", data.dtypes)

# Identify unique values in categorical columns
categorical_columns = data.select_dtypes(include=['object']).columns
for col in categorical_columns:
    print(f"Unique values in {col}: {data[col].unique()}")

# Visualize distribution of accident severity (if applicable)
if 'accident_severity' in data.columns:
    data['accident_severity'].value_counts().plot(kind='bar', title="Accident !
```



```

'18-03-2023' '15-10-2024' '13-01-2023' '09-07-2023' '16-08-2024'
'09-08-2023' '11-09-2024' '17-10-2024' '18-01-2023' '21-05-2023'
'02-11-2023' '20-07-2023' '28-08-2024' '27-01-2024' '18-04-2023'
'10-03-2024' '09-05-2023' '01-02-2023' '21-07-2024' '14-07-2024'
'07-05-2023' '12-11-2023' '17-11-2023' '25-06-2023' '13-12-2024'
'21-11-2023']
Unique values in Time: ['06:39' '02:47' '02:55' ... '21:25' '21:11' '18:
Unique values in Location: ['Mumbai, India' 'São Paulo, Brazil' 'Sydney,
'Beijing, China' 'Paris, France' 'London, UK' 'Toronto, Canada'
'Berlin, Germany' 'New York, USA']
Unique values in Weather Condition: ['Snow' 'Clear' 'Rain' 'Storm' 'Fog'
Unique values in Road Condition: ['Snowy' 'Icy' 'Wet' 'Under Constructio
Unique values in Cause: ['Reckless Driving' 'Drunk Driving' 'Weather Con
'Mechanical Failure' 'Speeding' 'Distracted Driving']

```

```

import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
from google.colab import drive

# Mount Google Drive (if using Google Colab)
drive.mount('/content/drive')

# Load dataset (update file path)
file_path = '/content/drive/My Drive/dinesh.csv' # Modify this based on actual
data = pd.read_csv(file_path)

# Display first few rows
print(data.head())

```

Drive already mounted at /content/drive; to attempt to forcibly remount, call drive.mount('/content/drive', force_remount=True).

| | Accident ID | Date | Time | Location | Latitude | Longitude |
|---|-------------|------------|-------|-------------------|------------|-------------|
| 0 | b0dd6f57 | 19-04-2023 | 06:39 | Mumbai, India | 13.488432 | -73.290682 |
| 1 | debfad09 | 17-01-2023 | 02:47 | São Paulo, Brazil | -37.798317 | -32.244242 |
| 2 | 6d69aa36 | 09-04-2024 | 02:55 | Sydney, Australia | 33.767869 | 104.869018 |
| 3 | 425bb1f0 | 10-10-2023 | 11:23 | Tokyo, Japan | -0.378031 | -165.825855 |
| 4 | 90d5cf62 | 02-01-2023 | 12:07 | Beijing, China | 41.254879 | -30.776959 |

| | Weather Condition | Road Condition | Vehicles Involved | Casualties |
|---|-------------------|----------------|-------------------|------------|
| 0 | Snow | Snowy | 5 | 7 |
| 1 | Clear | Icy | 4 | 1 |
| 2 | Rain | Snowy | 1 | 7 |
| 3 | Storm | Wet | 4 | 0 |
| 4 | Storm | Snowy | 3 | 9 |

| | Cause |
|---|------------------|
| 0 | Reckless Driving |
| 1 | Drunk Driving |
| 2 | Reckless Driving |
| 3 | Drunk Driving |
| 4 | Reckless Driving |

```

import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
from google.colab import drive

# Mount Google Drive (if using Google Colab)
drive.mount('/content/drive')

# Load dataset (update file path)
file_path = '/content/drive/My Drive/dinesh.csv' # Modify this based on actual
data = pd.read_csv(file_path)

# Display first few rows
print(data.head())

# Check if 'accident_severity' column exists in the DataFrame
if 'accident_severity' not in data.columns:
    # If not found, print an error message and available columns
    print(f"Error: 'accident_severity' column not found in the DataFrame.")
    print(f"Available columns: {data.columns}")
else:
    # If found, proceed with plotting
    plt.figure(figsize=(8, 5))
    sns.countplot(x='accident_severity', data=data, palette='coolwarm')
    plt.title('Accident Severity Distribution')

```

```
plt.xlabel('Severity Level')
plt.ylabel('Count')
plt.show()
```

Drive already mounted at /content/drive; to attempt to forcibly remount, call drive.mount('/content/drive').

| | Accident ID | Date | Time | Location | Latitude | Longitude |
|---|-------------|------------|-------|-------------------|------------|-------------|
| 0 | b0dd6f57 | 19-04-2023 | 06:39 | Mumbai, India | 13.488432 | -73.290682 |
| 1 | debfad09 | 17-01-2023 | 02:47 | São Paulo, Brazil | -37.798317 | -32.244242 |
| 2 | 6d69aa36 | 09-04-2024 | 02:55 | Sydney, Australia | 33.767869 | 104.869018 |
| 3 | 425bb1f0 | 10-10-2023 | 11:23 | Tokyo, Japan | -0.378031 | -165.825855 |
| 4 | 90d5cf62 | 02-01-2023 | 12:07 | Beijing, China | 41.254879 | -30.776959 |

| | Weather Condition | Road Condition | Vehicles Involved | Casualties |
|---|-------------------|----------------|-------------------|------------|
| 0 | Snow | Snowy | 5 | 7 |
| 1 | Clear | Icy | 4 | 1 |
| 2 | Rain | Snowy | 1 | 7 |
| 3 | Storm | Wet | 4 | 0 |
| 4 | Storm | Snowy | 3 | 9 |

Cause

| | |
|---|------------------|
| 0 | Reckless Driving |
| 1 | Drunk Driving |
| 2 | Reckless Driving |
| 3 | Drunk Driving |
| 4 | Reckless Driving |

Error: 'accident_severity' column not found in the DataFrame.

Available columns: Index(['Accident ID', 'Date', 'Time', 'Location', 'Latitude', 'Longitude', 'Weather Condition', 'Road Condition', 'Vehicles Involved', 'Casualties', 'Cause'], dtype='object')

```
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
from google.colab import drive
```

```
# Mount Google Drive (if using Google Colab)
drive.mount('/content/drive')
```

```
# Load dataset (update file path)
file_path = '/content/drive/My Drive/dinesh.csv' # Modify this based on actual
data = pd.read_csv(file_path)
```

```
# Display first few rows
print(data.head())
```

```
# Check if 'weather_condition' column exists in the DataFrame
if 'weather_condition' not in data.columns:
    # If not found, print an error message and available columns
    print(f"Error: 'weather_condition' column not found in the DataFrame.")
    print(f"Available columns: {data.columns}")
```

```
else:
    # If found, proceed with plotting
    plt.figure(figsize=(10, 6))
    sns.countplot(x='weather_condition', data=data, palette='viridis', order=data['weather_condition'].unique())
    plt.xticks(rotation=45)
    plt.title('Accidents by Weather Condition')
    plt.xlabel('Weather Condition')
    plt.ylabel('Count')
    plt.show()
```

Drive already mounted at /content/drive; to attempt to forcibly remount, call drive.mount('/content/drive').

| | Accident ID | Date | Time | Location | Latitude | Longitude |
|---|-------------|------------|-------|-------------------|------------|-------------|
| 0 | b0dd6f57 | 19-04-2023 | 06:39 | Mumbai, India | 13.488432 | -73.290682 |
| 1 | debfad09 | 17-01-2023 | 02:47 | São Paulo, Brazil | -37.798317 | -32.244242 |
| 2 | 6d69aa36 | 09-04-2024 | 02:55 | Sydney, Australia | 33.767869 | 104.869018 |
| 3 | 425bb1f0 | 10-10-2023 | 11:23 | Tokyo, Japan | -0.378031 | -165.825855 |
| 4 | 90d5cf62 | 02-01-2023 | 12:07 | Beijing, China | 41.254879 | -30.776959 |

| | Weather Condition | Road Condition | Vehicles Involved | Casualties |
|---|-------------------|----------------|-------------------|------------|
| 0 | Snow | Snowy | 5 | 7 |
| 1 | Clear | Icy | 4 | 1 |
| 2 | Rain | Snowy | 1 | 7 |
| 3 | Storm | Wet | 4 | 0 |
| 4 | Storm | Snowy | 3 | 9 |

Cause

| | |
|---|------------------|
| 0 | Reckless Driving |
| 1 | Drunk Driving |
| 2 | Reckless Driving |

```
3     Drunk Driving
4     Reckless Driving
Error: 'weather_condition' column not found in the DataFrame.
Available columns: Index(['Accident ID', 'Date', 'Time', 'Location', 'Lati
    'Weather Condition', 'Road Condition', 'Vehicles Involved',
    'Casualties', 'Cause'],
    dtype='object')
```



Enter a prompt here



0 / 2000

Gemini can make mistakes so double-check responses and use code with caution. [Learn more](#)