

```

import pandas as pd
import matplotlib.pyplot as plt

file_path = "C:/Users/sheetal/Documents/dataset(twitter).csv" #
Adjust the path if necessary
data = pd.read_csv(file_path, encoding='latin1')

data.columns = ['ID', 'Topic', 'Sentiment', 'Text']

cleaned_data = data.drop(columns=['ID'])

print("Dataset Information:")
print(cleaned_data.info())
print("\nSample Data:")
print(cleaned_data.head())

```

```

Dataset Information:
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 74681 entries, 0 to 74680
Data columns (total 3 columns):
#   Column      Non-Null Count  Dtype
---  -
0   Topic       74681 non-null  object
1   Sentiment   74681 non-null  object
2   Text        73995 non-null  object
dtypes: object(3)
memory usage: 1.7+ MB
None

```

Sample Data:

	Topic	Sentiment	Text
0	Borderlands	Positive	I am coming to the borders and I will kill you...
1	Borderlands	Positive	im getting on borderlands and i will kill you ...
2	Borderlands	Positive	im coming on borderlands and i will murder you...
3	Borderlands	Positive	im getting on borderlands 2 and i will murder ...
4	Borderlands	Positive	im getting into borderlands and i can murder y...

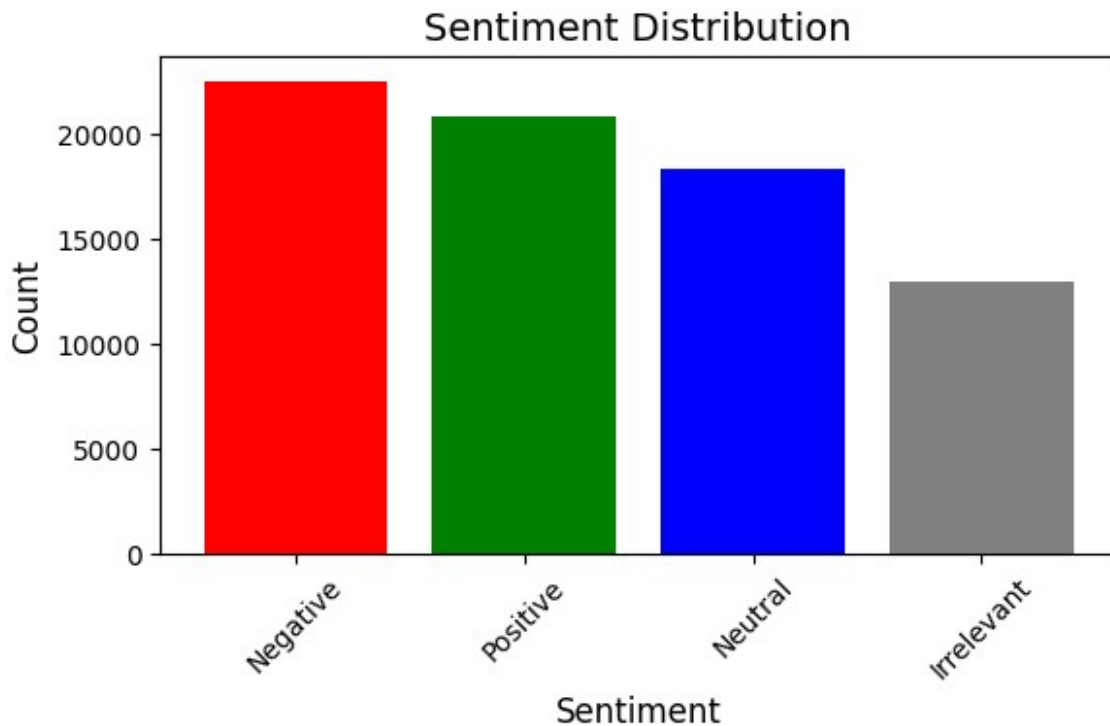
```

sentiment_counts = cleaned_data['Sentiment'].value_counts()

plt.figure(figsize=(6, 4))
plt.bar(sentiment_counts.index, sentiment_counts.values, color=['red', 'green', 'blue', 'gray'])
plt.title("Sentiment Distribution", fontsize=14)
plt.xlabel("Sentiment", fontsize=12)
plt.ylabel("Count", fontsize=12)

```

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plt.xticks(rotation=45, fontsize=10)
plt.tight_layout()
plt.show()
```



```
positive_texts = cleaned_data[cleaned_data['Sentiment'] == 'Positive']
negative_texts = cleaned_data[cleaned_data['Sentiment'] == 'Negative']
neutral_texts = cleaned_data[cleaned_data['Sentiment'] == 'Neutral']
```

```
print("\nSample Positive Text:")
print(positive_texts['Text'].iloc[0])
```

Sample Positive Text:
I am coming to the borders and I will kill you all,

```
print("\nSample Negative Text:")
print(negative_texts['Text'].iloc[0])
```

Sample Negative Text:
the biggest dissappointment in my life came out a year ago fuck
borderlands 3