Source code:

from transformers import pipeline

import pandas as pd

import matplotlib.pyplot as plt

import seaborn as sns

# Load emotion classification pipeline

classifier = pipeline("text-classification", model="nateraw/bert-base-uncased-emotion")

# Example social media texts

texts = [

"I'm so excited for the weekend!",

"I feel really sad and alone today.",

"That was incredibly frustrating and unfair!",

"What a beautiful day, I’m feeling grateful.",

"I’m scared about what’s going to happen next."

]

# Analyze emotions

results = []

for text in texts:

prediction = classifier(text)[0]

results.append({

'text': text,

'label': prediction['label'],

'score': round(prediction['score'], 3)

})

# Create a DataFrame

df = pd.DataFrame(results)

# Count emotions

emotion\_counts = df['label'].value\_counts().reset\_index()

emotion\_counts.columns = ['Emotion', 'Count']

# Visualization

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

sns.barplot(x='Emotion', y='Count', data=emotion\_counts, palette='viridis')

plt.title('Emotion Distribution in Social Media Texts')

plt.xlabel('Emotion')

plt.ylabel('Frequency')

plt.tight\_layout()

plt.show()