

```
# Install necessary libraries
!pip install -q textblob gradio
!python -m textblob.download_corpora

# Import libraries
from textblob import TextBlob
import gradio as gr

# Sentiment analysis function
def analyze_sentiment(post):
    analysis = TextBlob(post)
    polarity = analysis.sentiment.polarity
    if polarity > 0:
        sentiment = 'Positive 😊'
    elif polarity < 0:
        sentiment = 'Negative 😞'
    else:
        sentiment = 'Neutral 😐'
    return f"Sentiment: {sentiment}\nPolarity Score: {polarity:.2f}"

# Gradio UI
interface = gr.Interface(
    fn=analyze_sentiment,
    inputs=gr.Textbox(lines=5, placeholder="Enter social media post..."),
    outputs="text",
    title="Social Media Sentiment Analyzer",
    description="Enter a tweet or post to analyze its emotional tone."
)

# Launch the app
interface.launch()
```



```
[nltk_data] Downloading package brown to /root/nltk_data...
[nltk_data]   Package brown is already up-to-date!
[nltk_data] Downloading package punkt_tab to /root/nltk_data...
[nltk_data]   Package punkt_tab is already up-to-date!
[nltk_data] Downloading package wordnet to /root/nltk_data...
[nltk_data]   Package wordnet is already up-to-date!
[nltk_data] Downloading package averaged_perceptron_tagger_eng to
[nltk_data]   /root/nltk_data...
[nltk_data]   Package averaged_perceptron_tagger_eng is already up-to-
[nltk_data]   date!
[nltk_data] Downloading package conll2000 to /root/nltk_data...
[nltk_data]   Package conll2000 is already up-to-date!
[nltk_data] Downloading package movie_reviews to /root/nltk_data...
[nltk_data]   Package movie_reviews is already up-to-date!
Finished.
```

It looks like you are running Gradio on a hosted a Jupyter notebook. For the (

Colab notebook detected. To show errors in colab notebook, set debug=True in J

\* Running on public URL: <https://448e1c95ee8e0f0866.gradio.live>

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## Social Media Sentiment Analyzer

Enter a tweet or post to analyze its emotional tone.

post

Enter social media post...

Clear

Submit

output