

DECODING EMOTIONS USING SENTIMENT ANALYSIS OF SOCIAL MEDIA CONVERSATIONS

SOURCE CODE:

install required libraries

Pip install gradio transformers

import required libraries

Import gradio as gr

From transformers import pipeline

load the sentimental analysis model

Classifier = pipeline("sentiment-analysis")

#define the sentimental analysis function

Def classify_sentiment(text):

Result=classifier(text)[0]

Label = result['label']

If label == "POSITIVE":

Sentiment="positive"

Elif label == "NEGATIVE":

Sentiment="negative"

Else:

Sentiment="neutral"

Return f"Sentiment: {sentiment}"

create the grodio interface

Import gradio as gr

#create a stylish gradio interface

Interface = gr.Interface(

Fn=classify_sentiment,

```
Inputs= gr.Textbox(  
    Lines=3,  
    Placeholder="Type your text here...",  
    Label="Enter your text",  
    Interactive=True # Corrected the typo from 'interacitve' to 'interactive'  
)  
Outputs=gr.Textbox(  
    Label="Sentiment Result",  
    Interactive=False  
)  
Title="sentiment analysis",  
Description="Enter any text, and our AI will instantly analyse its sentiment as  
**positive**, **negative** or **neutral**",  
Theme="soft",  
Allow_flagging="never",  
Live=True  
)  
  
#launch the interface  
Interface.launch(share=True)
```

OUTPUT OF THE PROGRAM:

sentiment analysis

Enter any text, and our AI will instantly analyse its sentiment as **positive**, **negative** or **neutral**

Enter your text

This movie is amazing |

Clear

Sentiment Result

Sentiment: positive