

```

from transformers import pipeline

summarizer = pipeline("summarization", model="facebook/bart-large-cnn")

ARTICLE = """ Gradio is an open-source Python library that provides a simple and intuitive interface for building and sharing custom machine learning models. With Gradio, users can quickly prototype, test, and deploy their machine learning models without any web development experience. Gradio also makes it easy to share your models with others by generating a shareable link that can be used to access your model's interface. """

print(summarizer(ARTICLE, max_length=130, min_length=30, do_sample=False))

```

```

[{"summary_text": 'Gradio is an open-source Python library that provides a simple and intuitive interface for building and sharing custom machine learning models. With Gradio, users can quickly prototype, test, and deploy their machine learning models without any web development experience. Gradio also makes it easy to share your models with others by generating a shareable link that can be used to access your model's interface.'}]

```

```

import gradio as gr

def greet(name, max_len):
    return summarizer(ARTICLE, max_length=max_len, min_length=30, do_sample=False)

demo = gr.Interface(fn=greet, inputs=["text", gr.inputs.Slider(0, 100)], outputs=["text"])

demo.launch()

```

```

/usr/local/lib/python3.10/dist-packages/gradio/inputs.py:89: UserWarning: Usage of gradio.inputs is deprecated, and will not be available in future versions. Please use gradio.inputs instead.
warnings.warn(
/usr/local/lib/python3.10/dist-packages/gradio/deprecation.py:40: UserWarning: `optional` parameter is deprecated, and it has been replaced with `if_exists` parameter. Please use `if_exists` instead.
warnings.warn(value)
Colab notebook detected. To show errors in colab notebook, set debug=True in launch()
Note: opening Chrome Inspector may crash demo inside Colab notebooks.

```

To create a public link, set `share=True` in `launch()`.

Running on <https://localhost:7872/>

name

GMM stands for Gaussian Mixture Model, which is a type of probabilistic model used for clustering and density estimation. In GMM, data points are assumed to be generated from a mixture of Gaussian distributions, where each Gaussian represents a different cluster.

GMM is a flexible model that allows for clusters of different shapes and sizes and can be used to perform unsupervised learning tasks such as clustering and anomaly detection. It can also be used for density estimation to model the underlying probability distribution of a dataset.

GMM is trained using the Expectation-Maximization (EM) algorithm, which iteratively estimates the parameters of the mixture model by maximizing the log likelihood of the observed data. Overall, GMM is a powerful tool for analyzing data with complex, multi-modal distributions.

max_len

40



Clear

Submit

output

[{"summary_text": 'Gradio is an open-source Python library that provides a simple and intuitive interface for building and sharing custom machine learning models. It allows users to create interfaces for their models using a web browser.'}]

Flag

Use via API  · Built with Gradio 

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