

```
In [1]: from transformers import AutoTokenizer, AutoModelForSequenceClassification, pipeline
import torch

model_name = "microsoft/deberta-base"
tokenizer = AutoTokenizer.from_pretrained(model_name)
model = AutoModelForSequenceClassification.from_pretrained(model_name, num_labels=2)

classifier = pipeline("text-classification", model=model, tokenizer=tokenizer, return_all_scores=True)

review_text = "very bad product its a only a fan"

results = classifier(review_text)

labels = ["Fake", "Real"]
scores = results[0]
predicted = max(scores, key=lambda x: x["score"])
print(f"Review: {review_text}")
print(f"Predicted: {labels[int(predicted['label'][-1])]} ({predicted['score']:.2f})")
```

```
tokenizer_config.json: 0%|          | 0.00/52.0 [00:00<?, ?B/s]
```

C:\Users\anirb\AppData\Local\Programs\Python\Python313\Lib\site-packages\huggingface_hub\file_download.py:140: UserWarning: `huggingface_hub` cache-system uses symlinks by default to efficiently store duplicated files but your machine does not support them in C:\Users\anirb\.cache\huggingface\hub\models--microsoft--deberta-base. Caching files will still work but in a degraded version that might require more space on your disk. This warning can be disabled by setting the `HF_HUB_DISABLE_SYMLINKS_WARNING` environment variable. For more details, see https://huggingface.co/docs/huggingface_hub/how-to-cache#limitations.

To support symlinks on Windows, you either need to activate Developer Mode or to run Python as an administrator. In order to activate developer mode, see this article: <https://docs.microsoft.com/en-us/windows/apps/get-started/enable-your-device-for-development>

```
warnings.warn(message)
```

```
config.json: 0%|          | 0.00/474 [00:00<?, ?B/s]
```

```
vocab.json: 0%|          | 0.00/899k [00:00<?, ?B/s]
```

```
merges.txt: 0%|          | 0.00/456k [00:00<?, ?B/s]
```

```
pytorch_model.bin: 0%|          | 0.00/559M [00:00<?, ?B/s]
```

Some weights of DebertaForSequenceClassification were not initialized from the model checkpoint at microsoft/deberta-base and are newly initialized: ['classifier.bias', 'classifier.weight', 'pooler.dense.bias', 'pooler.dense.weight']

You should probably TRAIN this model on a down-stream task to be able to use it for predictions and inference.

Device set to use cpu

C:\Users\anirb\AppData\Local\Programs\Python\Python313\Lib\site-packages\transformers\pipelines\text_classification.py:106: UserWarning: `return_all_scores` is now deprecated, if want a similar functionality use `top_k=None` instead of `return_all_scores=True` or `top_k=1` instead of `return_all_scores=False`.

```
warnings.warn(
```

Review: very bad product its a only a fan
Predicted: Fake (0.53)

In []: