Text Summarizing

Prepared by:
Khafuq Altheyab
Madawi Shawiah
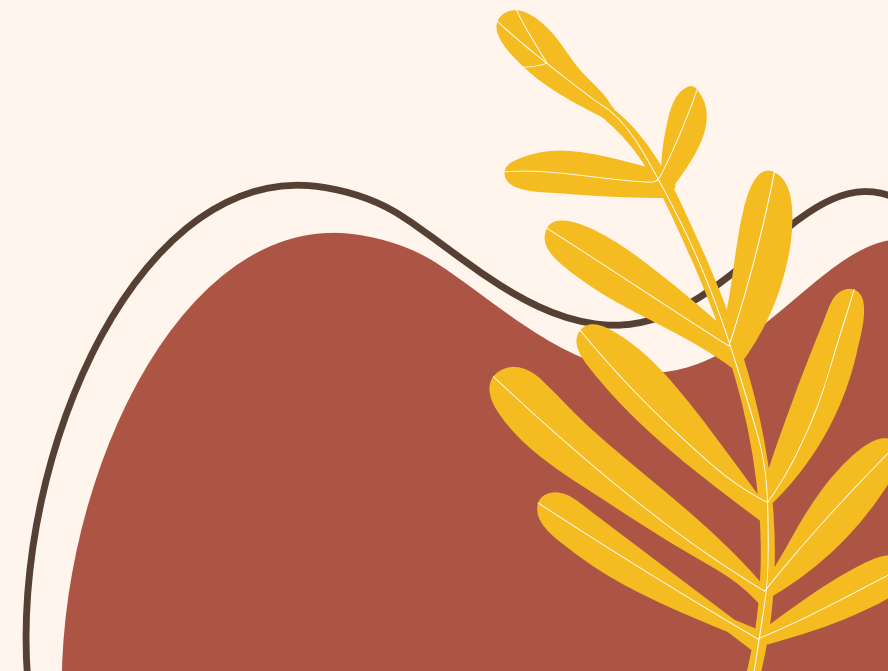
Topic

Topic 1: Hugging Face

Topic 2: Dataset for Text Summarization

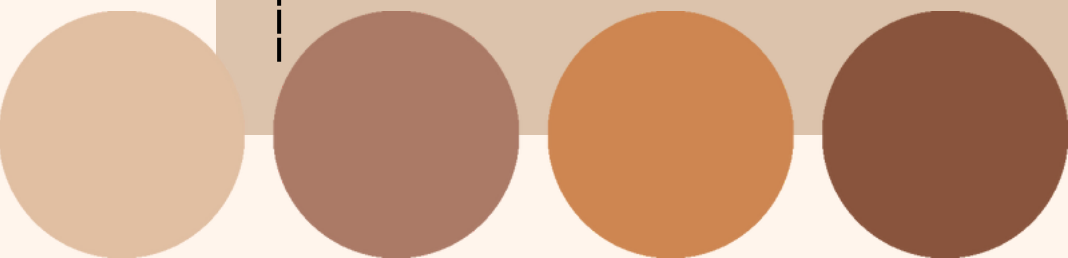Topic 3: Text Summarizing Using Model

Hugging Face

Hugging Face is a leading platform in AI, particularly in natural language processing (NLP) and conversational AI. It offers a Model Hub with pre-trained models for various NLP tasks, a Transformers library for model usage and fine-tuning, API services for easy integration into applications. Overall, Hugging Face is a go-to destination for developers, researchers, and AI enthusiasts interested in leveraging cutting-edge NLP advancements.
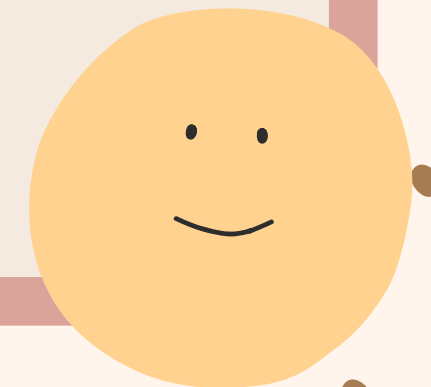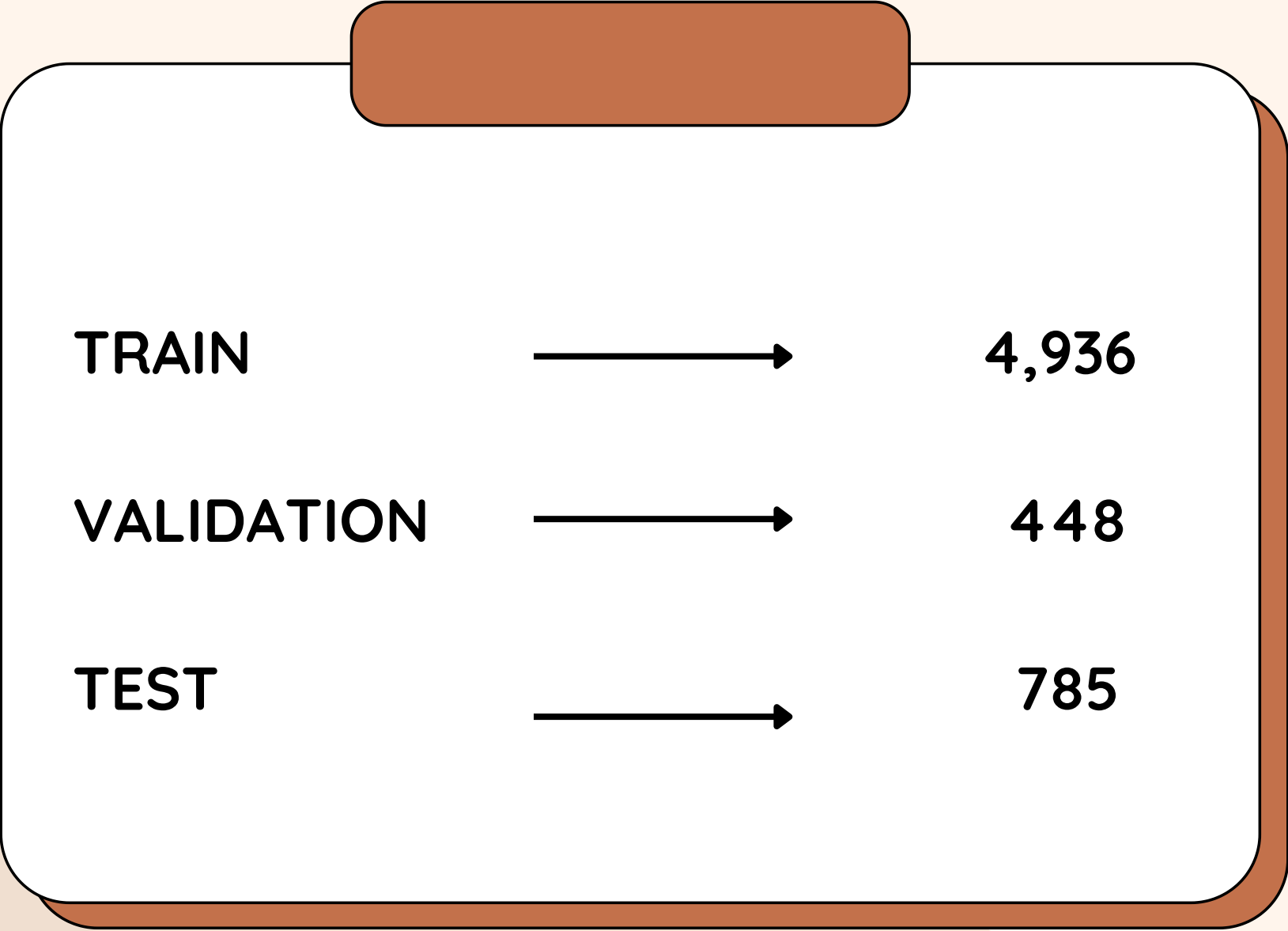
Dataset for Text Summarization
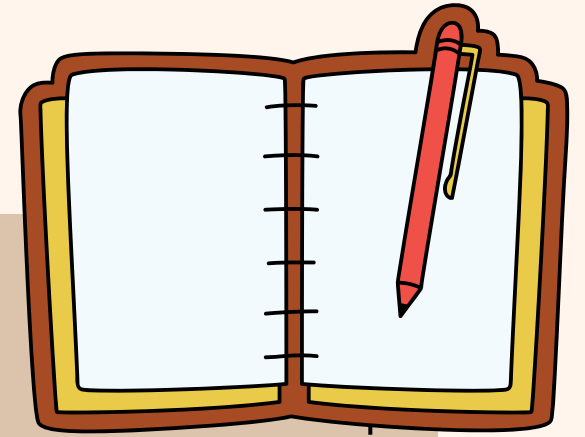
"This dataset consists of texts, sentences, and short paragraphs extracted from a variety of sources, including business letters, newswire articles, journals, and technical documents. It encompasses approximately 6,000 texts."

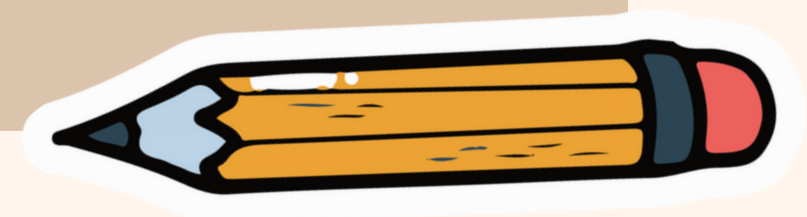# Data Splits

TRAIN	⟶	4,936
VALIDATION	⟶	448
TEST	⟶	785

Text Summarizing Using Model

"The primary intended use of this model is to generate concise and coherent text summaries. It is well-suited for applications that involve summarizing lengthy documents, news articles, and textual content."
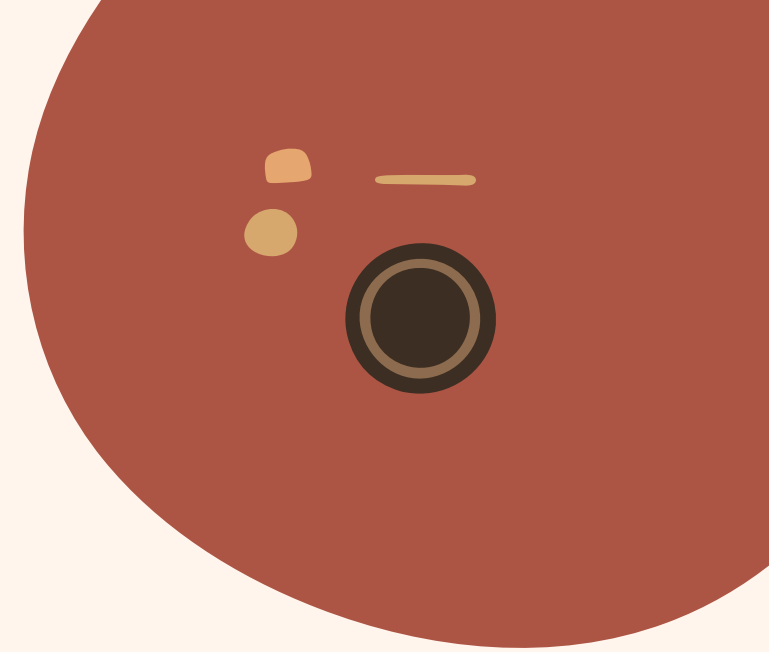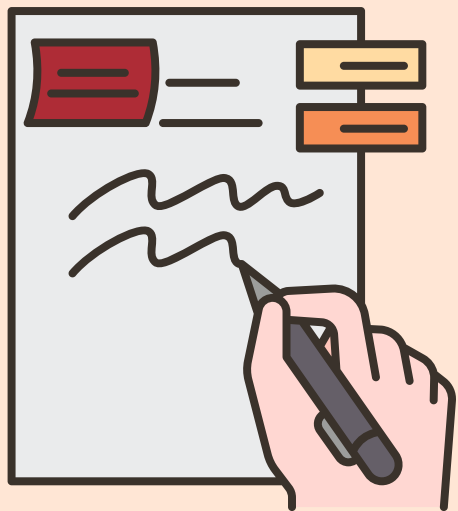
Result

⚡ Inference API ⓘ

📄 Summarization   [Examples ⌄]

Introduction In the rapidly evolving field of Natural Language Processing (NLP), Hugging Face has emerged as a prominent and innovative force. This article will explore the story and significance of Hugging Face, a company that has made remarkable contributions to NLP and AI as a whole. From its inception to its role in democratizing AI, Hugging Face has left an indelible mark on the industry. The Birth of Hugging Face Hugging Face was founded in 2016 by Clément Delangue, Julien Chaumond, and Thomas Wolf. The name Hugging Face was chosen to reflect the company's mission of making AI models more accessible and friendly to humans, much like a comforting hug. Initially, they began as a chatbot company but later shifted their focus to NLP, driven by their belief in the transformative potential of this technology. Transformative Innovations Hugging Face is best known for its open-source contributions, particularly the Transformers library. This library has become the de facto standard for NLP and enables researchers, developers, and organizations to easily access and utilize state-of-the-art pre-trained language models, such as BERT, GPT-3, and more. These models have countless applications, from chatbots and virtual assistants to language translation and sentiment analysis.

THANK YOU SO MUCH!