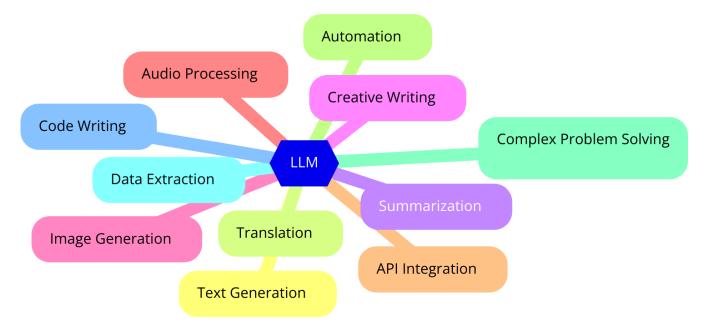
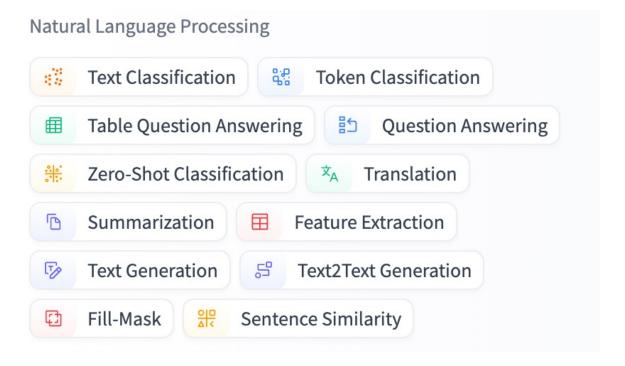
Prompt Labs

STAT 5350 Spring 2025
Ivan Portilla
3/12/25

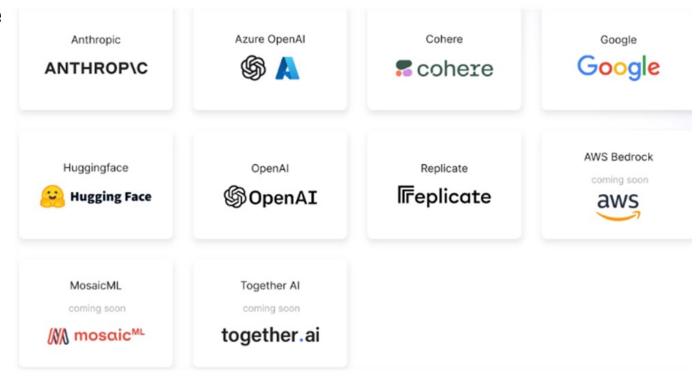
• LLMs can be used for:



LLMs can be used for:



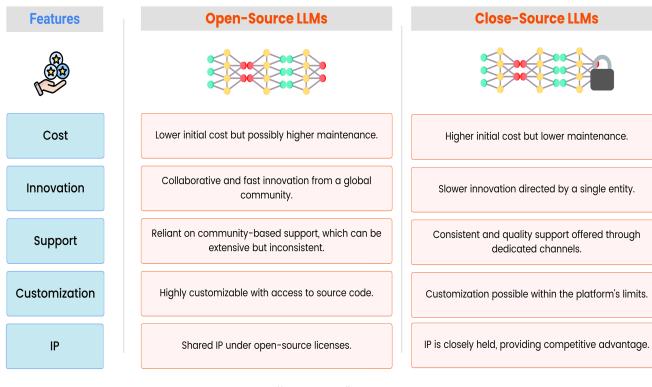
• LLMs are available from:



LLMs model card features

Open-Source Vs. Close-Source LLMs





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LLMs model card features

Competitive Differentiation of Gen Al Foundation Models

LLM Edition - Select Models

















What is Hugging Face?

Hub for open-source ML



🊅 | Hugging Face: Models, Datasets, and Spaces 😥





Datasets

Thousands of curated datasets for ML tasks

Saves time in data collection and preprocessing

Some include a dataset viewer for interacting with data



Models

Pre-trained ML models

Can be used to perform diverse ML tasks across including text, audio, and image

Supports dozens of libraries, including Transformers



Spaces

Built, host, and share ML apps in a single, organized workspace

Thousands of MLpowered demo apps

Hosted with built-in Python frameworks (Streamlit or Gradio) or JS and HTML (static).

What is Hugging Face?

UI Demo

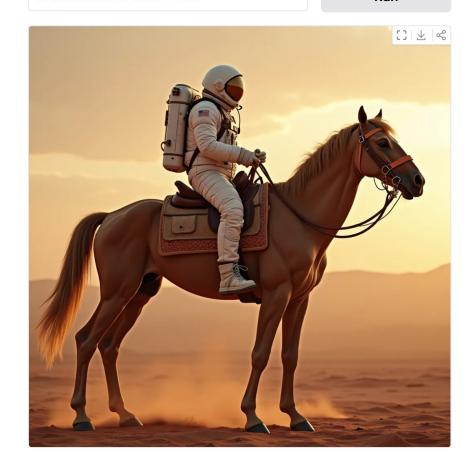
https://huggingface.co/

FLUX.1 [dev]

12B param rectified flow transformer guidance-distilled from <u>FLUX.1 [pro]</u> [non-commercial license] [blog] [model]

an astronaut on a horse in mars

Run

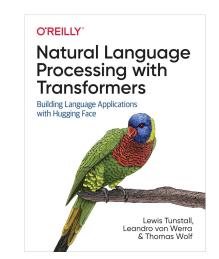


Hugging Face Transformers

Python library that helps downloading & training ML models easy

Pipeline(task="sentiment-analysis")("love this!")

Other tasks: Summarization, translation, question-answering, feature extraction, text generation & more



https://colab.research.google.com/drive/1NYGOIm59r4RgRKE7dUtzbrRTEvYcVyLP?usp=sharing

Hugging Face Transformers LAB

- 1.Summarization,
- 2.Translation,
- 3. Question-answering,
- 4. Text generation

https://huggingface.co/models

https://colab.research.google.com/drive/1NYGOIm59r4RgRKE7dUtzbrRTEvYcVy LP?usp=sharing