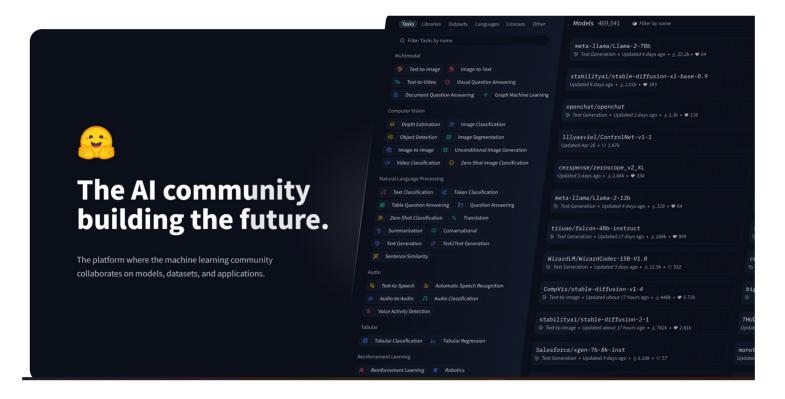
Huggingface

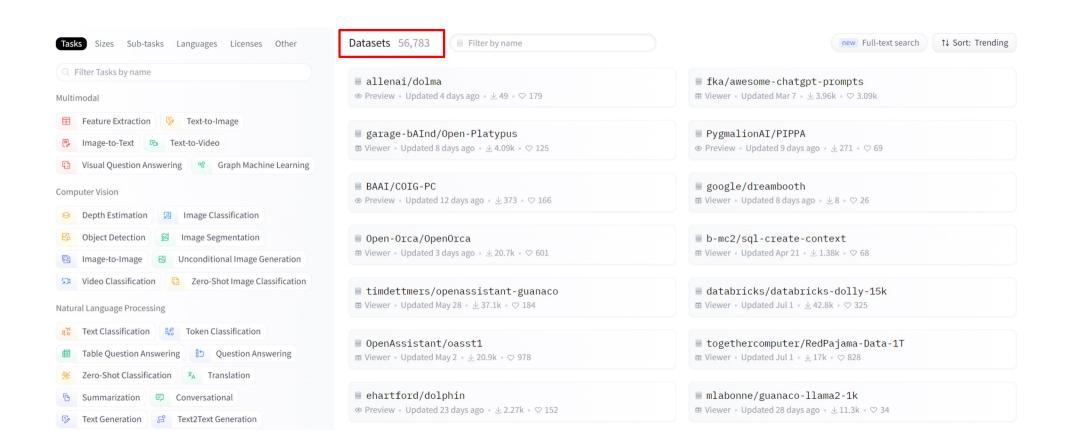
Credit to TA.Cheetah

What is Huggingface?

 HuggingFace is an AI community that promotes open source contributions. It is a hub of open source models for Natural Language Processing, computer vision, and other fields where AI plays its role. Even the tech giants like Google, Facebook, AWS, Microsoft, and others use the models, datasets, and libraries.

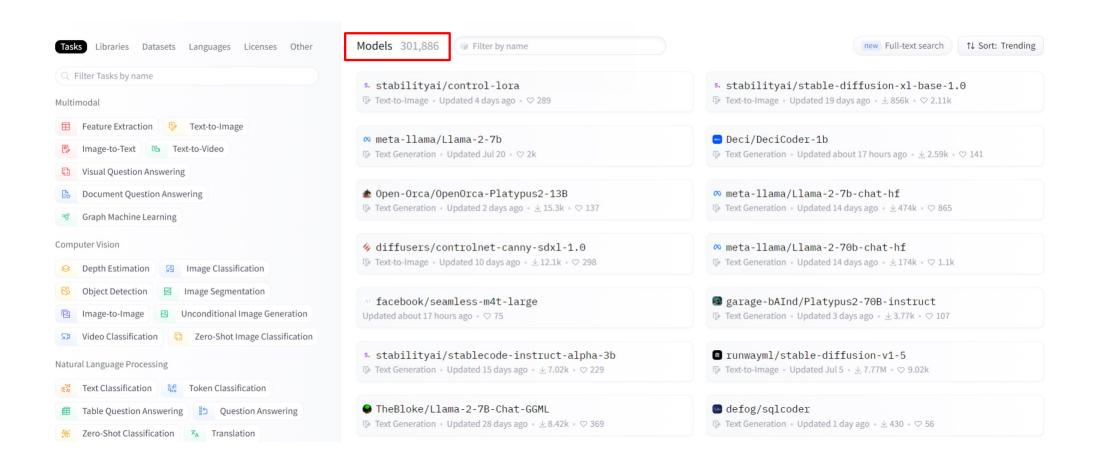


Datasets in Huggingface



Ref: https://huggingface.co/datasets?sort=trending

Models in Huggingface



Ref: https://huggingface.co/models

Examples notebook

PyTorch Examples Natural Language Processing Notebook Description Train your tokenizer How to train and use your very own tokenizer Train your language model How to easily start using transformers How to fine-tune a model on text Show how to preprocess the data and fine-tune a pretrained model classification on any GLUE task. How to fine-tune a model on Show how to preprocess the data and fine tune a pretrained model language modeling on a causal or masked LM task. How to fine-tune a model on Show how to preprocess the data and fine-tune a pretrained model token classification on a token classification task (NER, PoS). How to fine-tune a model on Show how to preprocess the data and fine-tune a pretrained model question answering How to fine-tune a model on Show how to preprocess the data and fine-tune a pretrained model multiple choice on SWAG.

Computer Vision			
Notebook	Description		
How to fine-tune a model on image classification (Torchvision)	Show how to preprocess the data using Torchvision and fine-tune any pretrained Vision model on Image Classification	Open in Calab	€0 Open Studio Lab
How to fine-tune a model on image classification (Albumentations)	Show how to preprocess the data using Albumentations and fine-tune any pretrained Vision model on Image Classification	Open in Calab	۩ Open Studio Lab
How to fine-tune a model on image classification (Kornia)	Show how to preprocess the data using Kornia and fine-tune any pretrained Vision model on Image Classification	Open in Calab	€2 Open Studio Lab
How to perform zero-shot object detection with OWL-VIT	Show how to perform zero-shot object detection on images with text queries	Open in Colab	€0 Open Studio Lab
How to fine-tune an image captioning model	Show how to fine-tune BLIP for image captioning on a custom dataset	CO Open in Colab	€0 Open Stude Lie
How to build an image similarity system with Transformers	Show how to build an image similarity system	Open in Colab	€0 Open Studio Lab
How to fine-tune a SegFormer model on semantic segmentation	Show how to preprocess the data and fine-tune a pretrained SegFormer model on Semantic Segmentation	Open in Colab	€2 Open Studio Lab
How to fine-tune a VideoMAE model on video classification	Show how to preprocess the data and fine-tune a pretrained VideoMAE model on Video Classification	Open in Colab	©D Open Stude Lab

Fine-tune a pretrained model: https://huggingface.co/docs/transformers/training
Ref: https://huggingface.co/docs/transformers/notebooks