

Orientation

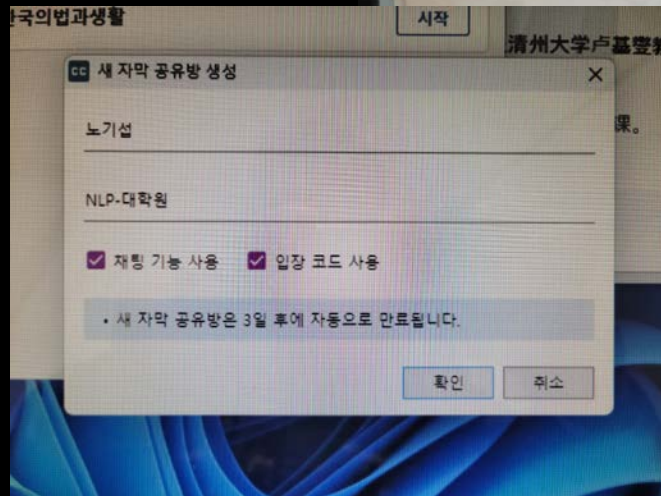
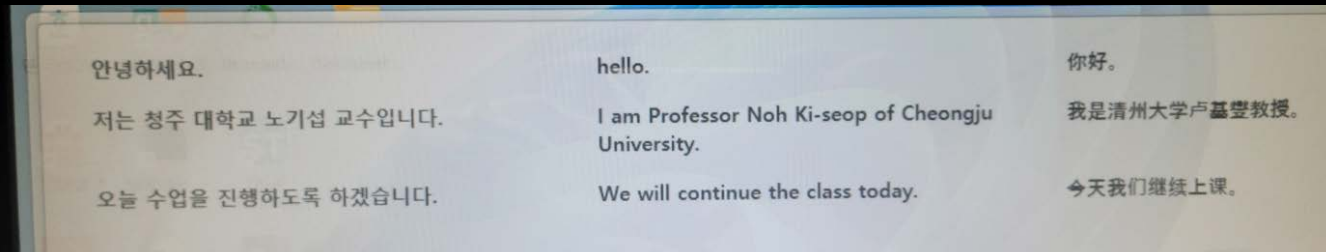
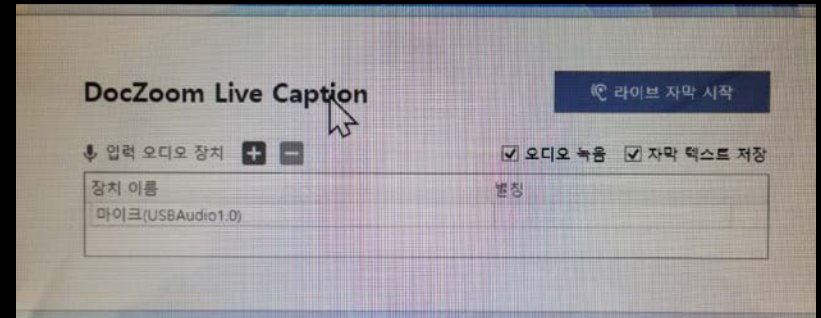
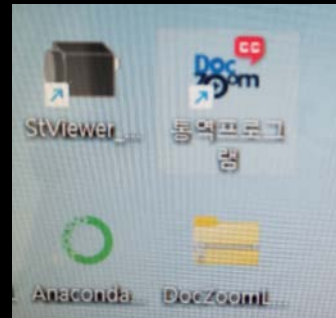
Projects on Transfer Learning & Deeplearning Services

소프트웨어 끈대 강의

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Motivations



Motivations

가끔 나타나는 오류
(예측 정확도 ↓)

화면이 가려져서
불편한데... ㅠ

무료 데이터 활용

공공주도 빅데이터 회원가입 필수
- www.aihub.or.kr

메뉴이동: AI데이터 → 교육/문화/스포츠
→ 한국어-영어 번역 말뭉치

공공데이터 포털: <https://www.data.go.kr>

무료 뉴스기사 빅카인즈: <https://www.bigkinds.or.kr/>


Github에 Open된 빅데이터

먼저 지난주에 배운 거부터 배워 볼까요?
뉴욕
네 안녕하세요

First, let's learn from what we learned last week.
New York
hello

首先, 让我们回顾一下上周所学到的知识。
纽约
你好

내가 직접 만들면 더 좋을 수도 있나??



Motivations

딥러닝 민주화 문제.....

빈익빈 부익부 가속화

나름대로 존재하는 솔루션

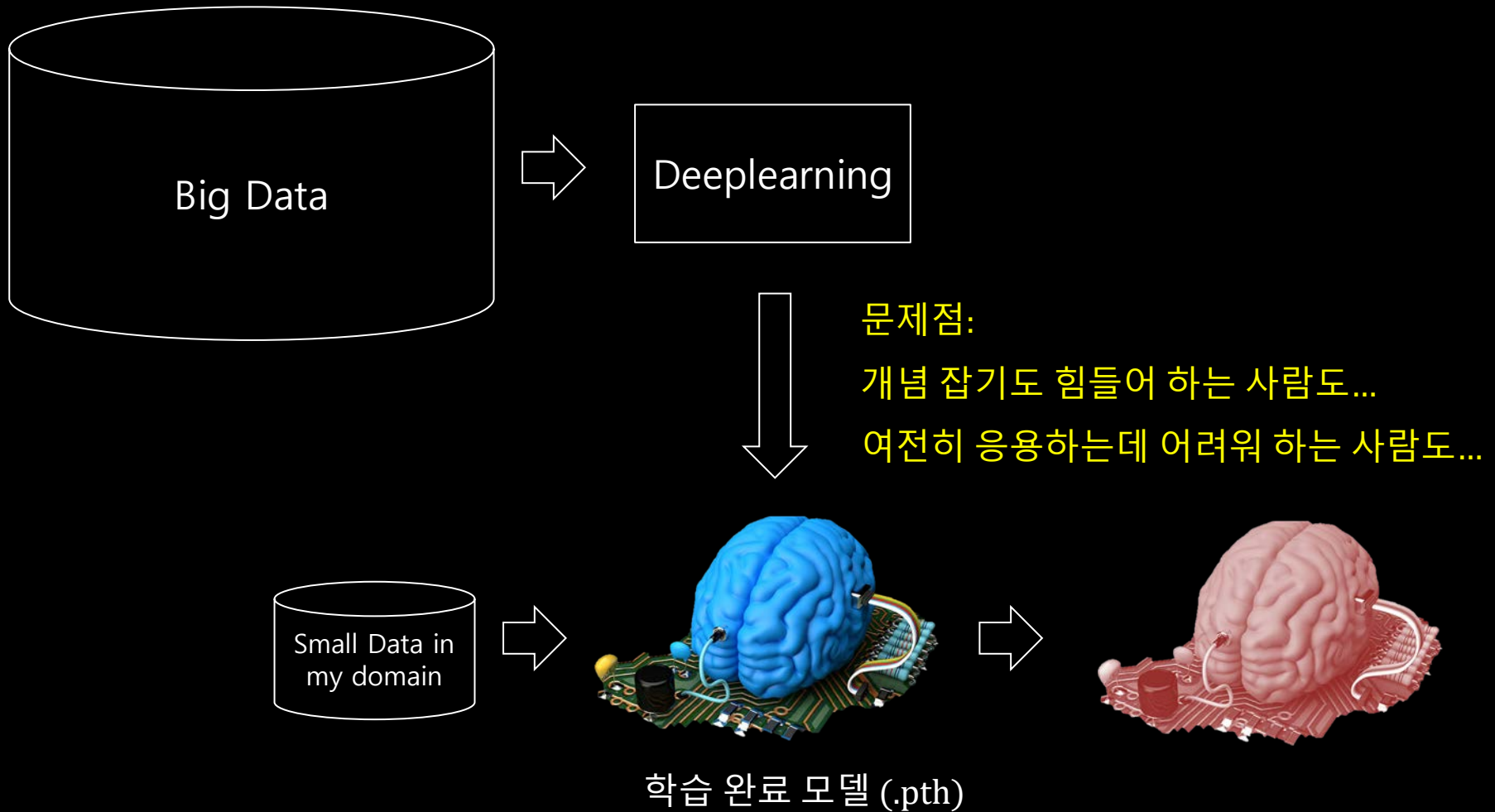
이런 환경에서도 희망은 있다.

Pre-trained models (사전학습 모델) 공유



<https://huggingface.co/>

Transfer learning (전이 학습)



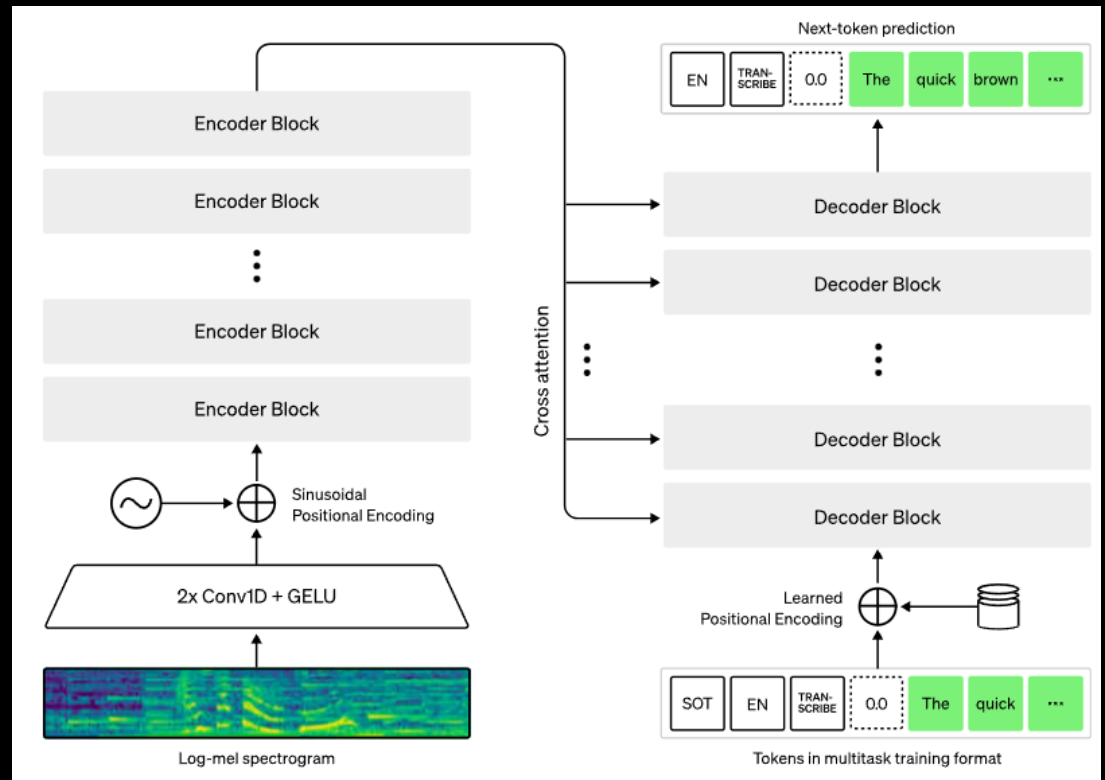
Whisper Model

<https://openai.com/research/whisper>

Whisper is an automatic speech recognition (ASR) system

680,000 hours of multilingual and multitask supervised data collected from the web

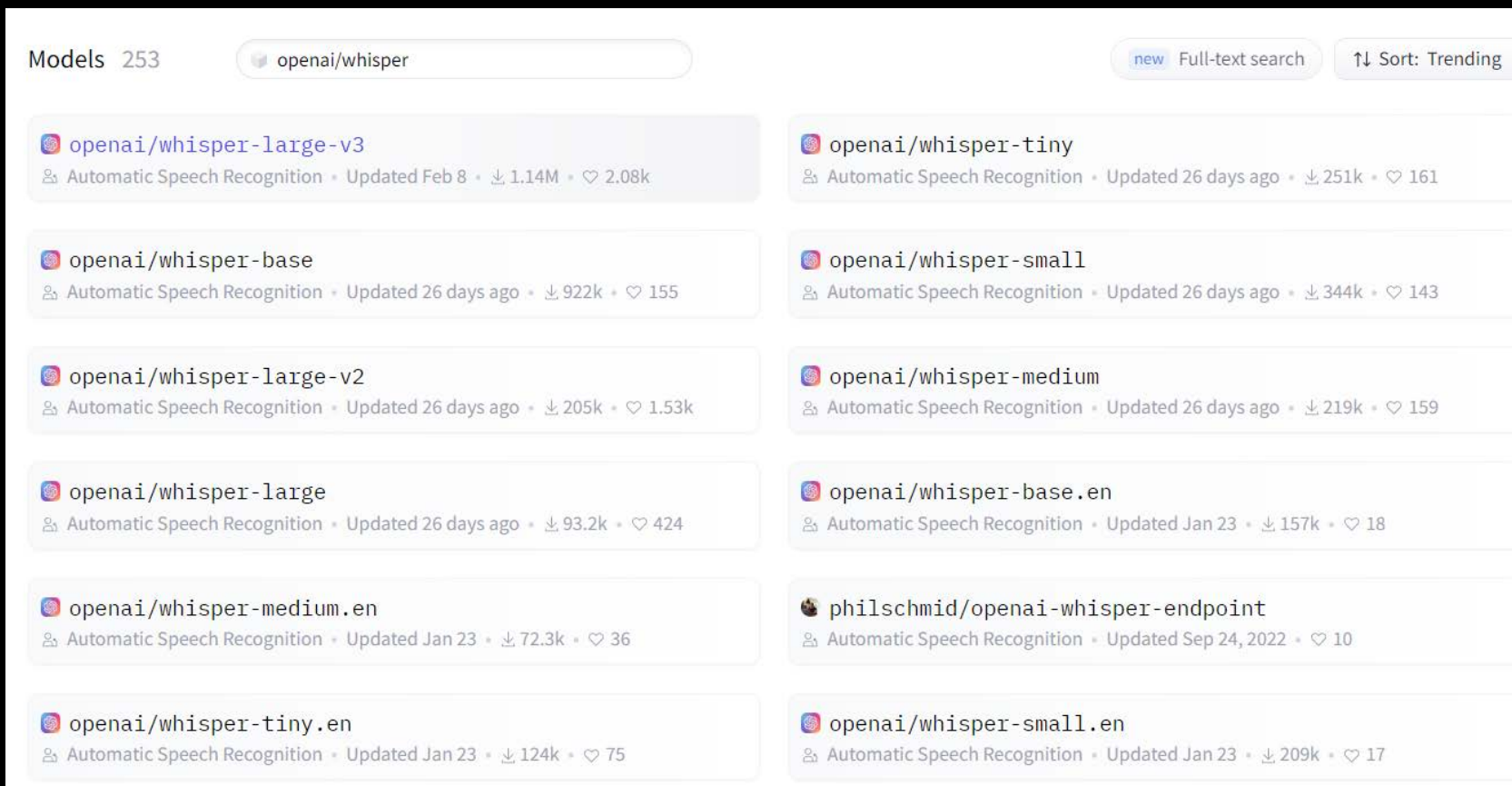
It enables transcription in multiple languages, as well as translation from those languages into English.



If an acronym or basis for the name is desired, WSPSR standing for **W**eb-scale **S**upervised **P**retraining for **S**peech **R**ecognition can be used.

Pre-trained Whisper Model is open to public!

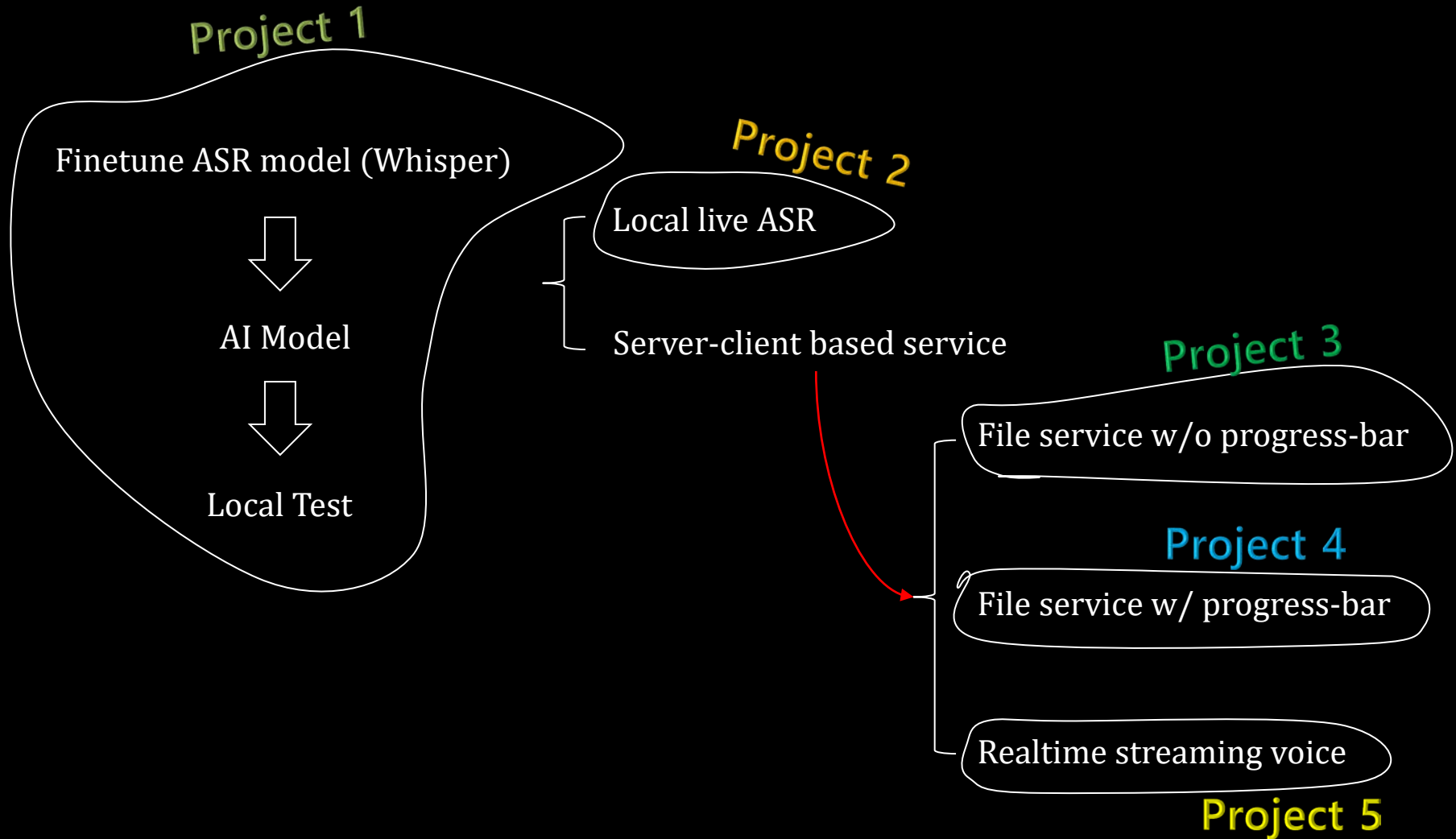
<https://huggingface.co/models?sort=trending&search=openai%2Fwhisper>



The screenshot shows the Hugging Face models page for the search term "openai/whisper". The page displays a list of models sorted by trending. The models listed are:

- openai/whisper-large-v3**: Automatic Speech Recognition • Updated Feb 8 • 1.14M downloads • 2.08k likes
- openai/whisper-tiny**: Automatic Speech Recognition • Updated 26 days ago • 251k downloads • 161 likes
- openai/whisper-base**: Automatic Speech Recognition • Updated 26 days ago • 922k downloads • 155 likes
- openai/whisper-small**: Automatic Speech Recognition • Updated 26 days ago • 344k downloads • 143 likes
- openai/whisper-large-v2**: Automatic Speech Recognition • Updated 26 days ago • 205k downloads • 1.53k likes
- openai/whisper-medium**: Automatic Speech Recognition • Updated 26 days ago • 219k downloads • 159 likes
- openai/whisper-large**: Automatic Speech Recognition • Updated 26 days ago • 93.2k downloads • 424 likes
- openai/whisper-base.en**: Automatic Speech Recognition • Updated Jan 23 • 157k downloads • 18 likes
- openai/whisper-medium.en**: Automatic Speech Recognition • Updated Jan 23 • 72.3k downloads • 36 likes
- philschmid/openai-whisper-endpoint**: Automatic Speech Recognition • Updated Sep 24, 2022 • 10 likes
- openai/whisper-tiny.en**: Automatic Speech Recognition • Updated Jan 23 • 124k downloads • 75 likes
- openai/whisper-small.en**: Automatic Speech Recognition • Updated Jan 23 • 209k downloads • 17 likes

Big Picture



이번 프로젝트를 통해 추구하는 것

더 큰 세상으로 가기 전에.... 아래 질문에 대한 조그만 이해라도....

도대체 전이학습이 뭐야?

Downstream task 가 대세라는데... 그건 뭐야?

학습이 끝나면 어떻게 활용할 수 있지?

도대체 감이 안 잡히는데요 $\pi\pi$ 딥러닝 프론트 서비스...?

다양한 주변 기술 맛보고 싶지만 일관성 있는 강의가 없나요?
(구현하다 보면 닥칠법한 것들)

당부 사항

손가락 코딩 예정입니다 ^^.

제가 편한 도구를 사용할 예정입니다 ^^.

저는 실력 있는 전문 개발자가 아닙니다 ^^.

이번 프로젝트는 상용화 수준을 목표로 하는 것은 아닙니다 ^^.

시청하지 않아도 됩니다. 하지만, 시작하면 끝까지 하시기 바랍니다 ^^.



수고하셨습니다 ..^^..