

19 Aug

Led #13

Example of applying api [Dall-E

- Dall-E → major component ⇒ diffusion models
 - ai tool developed by AI
 - generate highly creative & unique images
 -
- 2 encoders → clip + 1 decoder (glide)

CLIP Technology

(contrastive learning in pre-training)

image with annotation
when given to clip technology it will vector
that will be similar to each other)

(text)
image - vector
vector - text ..

- encoders and decoders
(glide Technology)

- Different versions & updates in model
like Dall-E 2, Dall-E 3
- better & improved models

Notebook

- ↳ importing package ∴ openai
- & generate api-key = -

Example - image generation

Dall-E 2

- ↳ with single image
- with multiple image

Dall-E 3 (single image)

- No matter size of team
- The matter only problem you solved, ideas, innovation

Transfomer based

Hugging Face

(open-source platforms)

up to

- ① Explore & choose model
- ② Solve problem
- ③ Generate

How to choose good model

- ↳ description
- ↳ downloads
- ↳ documentation & paper

Limit is the sky :)

Transformer → neural network

using GPU for the task

Pipeline

↳ input, output
↳ easiest way to use model

pipeline('

task name

Examples

① ↳ Text Classification

⇒ Sentiment Analysis

↓
- single sentence

- fam y lot.
(multiple sentence)

Size ⇒ low

Quality ⇒ same as standard model

② Text Summarization

⇒ State of the art models ✓

⇒ used by world top companies

⇒ check size of model & resources used for the model