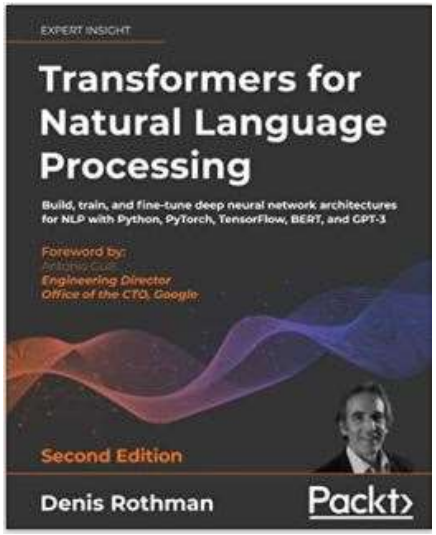
BONUS : Enjoy the present, explore the future!

[Transformers for Natural Language Processing, 2nd Edition]



Each notebook in this directory contains a stand-alone program that you can run directly on Google Colab, for example.

Each section of this readme file contains the name of the notebook and a short description,

The best method is to run a notebook but read the book entirely to grasp the algorithms driving transformers and see how these SOA notebooks fit in the evolution of AI.

- **This BONUS directory contains notebooks on SOA transformer functionality**
- **These notebooks focus on OpenAI ChatGPT, davinci, ada, and DALL-E transformer models.**

Jump_Starting_ChatGPT_with_the_OpenAI_API.ipynb

Get started with a ChatGPT API in a few lines of code.

Prompt_Engineering_as_an_alternative_to_fine_tuning.ipynb

Fine-tuning is not always possible nor is it always necessary.

Learn how advanced prompt engineering can help you customize ChatGPT for your project.

Speaking_with_ChatGPT.ipynb ChatGPT

A step-by-step process to add speech-to-text and text-to-speech to ChatGPT.

Dialog with ChatGPT.ipynb

Run a speech-to-text and text-to-speech dialog with ChatGPT in a one click cell.

ChatGPT_as_a_Cobot_ChatGPT_versus_davinci_instruct.ipynb

ChatGPT or davinin_instruct? What is best for your project? This notebook deals with one of the many aspects of your choice.

GPT_2_&_ChatGPT_the_Origins.ipynb

Let's go back to the origins to understand ChatGPT. ChatGPT is a sibling of the GPT instruct series.

Q&A_DR.ipynb

A Scientific approach to transformers.

Generating_images_with_the_OpenAI_DALL_E_API.ipynb

DALL-E will take you into the wonderful world of creative image generation. Get started with DALL-E API to create, modify or generate variations of an image.

Tip

If you encounter problems installing OpenAI, try upgrading pip:

```
!pip install --upgrade pip
```

Then run

```
!pip install openai
```