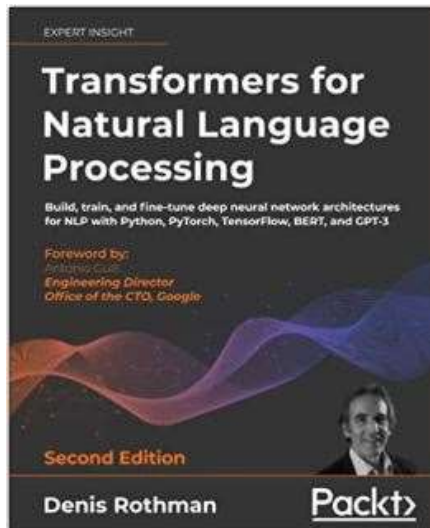


BONUS : Enjoy the present, explore the future!



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.

If you want to go directly to some explanations in the book for these notebooks, then read chapters 1, 7, 15, and 16 first. Then make sure to read the other chapters to fully understand transformers.

- **This BONUS directory contains notebooks on SOA transformer functionality**
- **Each BONUS notebook is related to Transformers for Natural Language Processing, 2nd Edition**
- **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

Add speech-to-text and text-to-speech to ChatGPT.

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.

ChatGPT_as_a_Cobot_ChatGPT_versus_davinci_instruct.ipynb

ChatGPT or davini_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.