Practical session on Text Mining: from BERT to ChatGPT

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Skills and knowledge that you will acquire

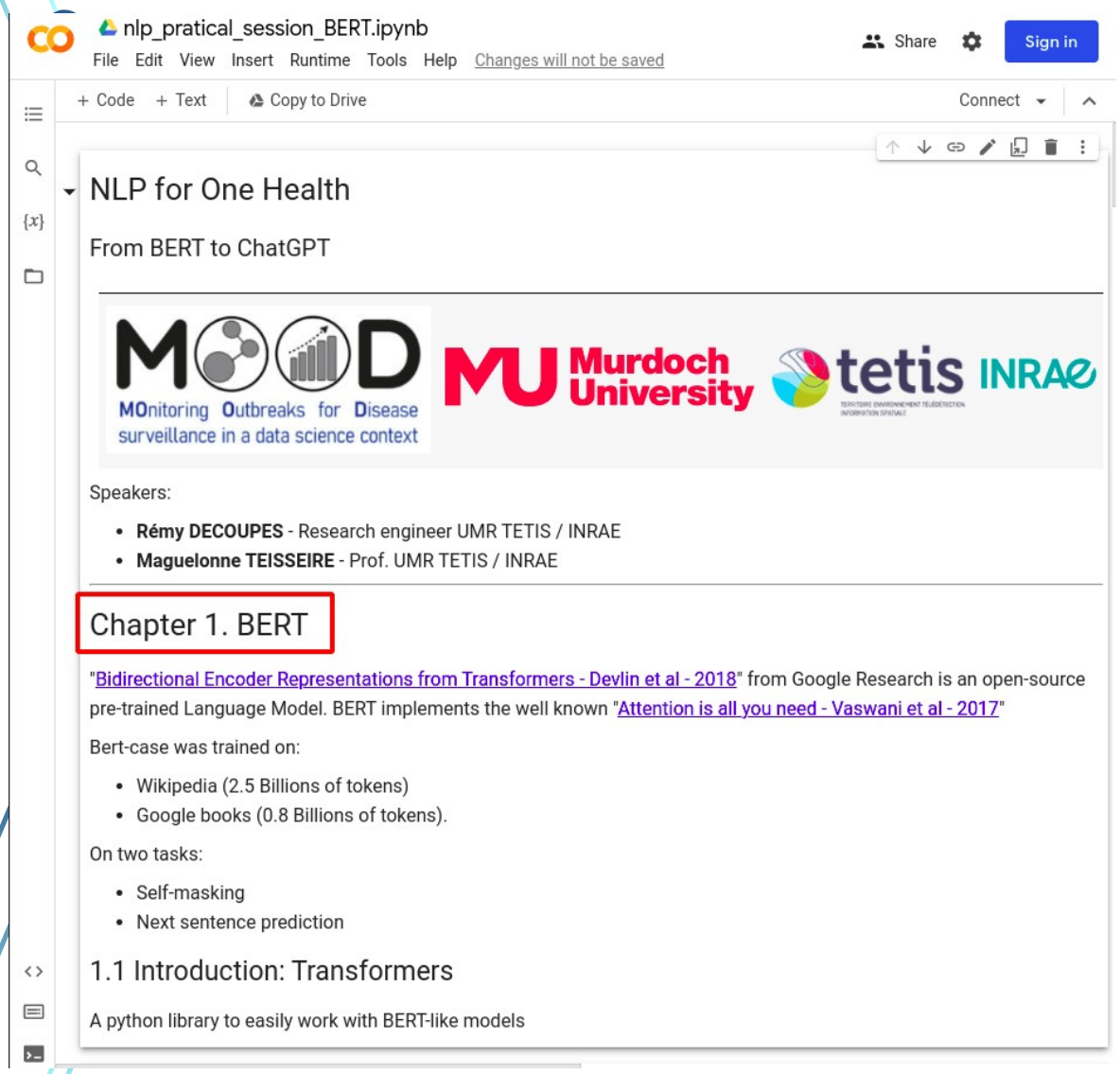
- Understand and use new NLP techniques (based on transformers Neural Networks)

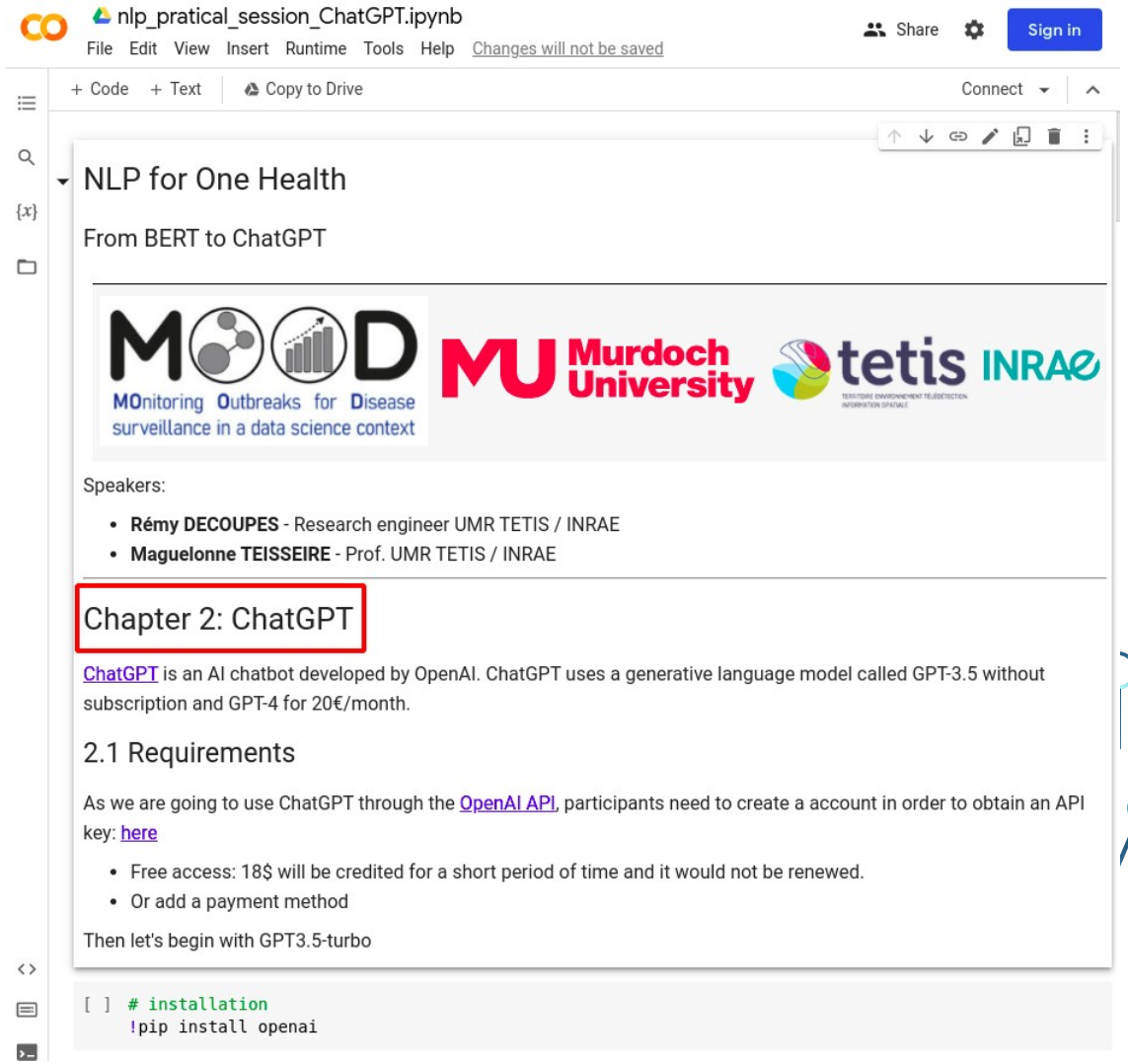
- Adapt transformers models to your needs

- Compare BERT-like models and ChatGPT-like models

- Use OpenAI (ChatGPT) API and adapt it to your context.

How recent concepts of NLP could be used in Epidemiological surveillance ?





Notebooks table of contents

Chapter 1: BERT: Google colab link

1.1 Introduction

1.2 NLP tasks with BERT

1.3 Diving into the model representations

1.4 Fine-tuning

1.5 Text generation with BERT

Chapter 2: ChatGPT: Google colab link

2.1 Requirements

2.2 Text generation with ChatGPT

2.3 Langchain

2.4 Hallucination

2.5 Paper-QA

Let’s start !

Go to the Github repository:

https://github.com/tetis-nlp/pratical-session-nlp-for-one-health-murdoch-mood