

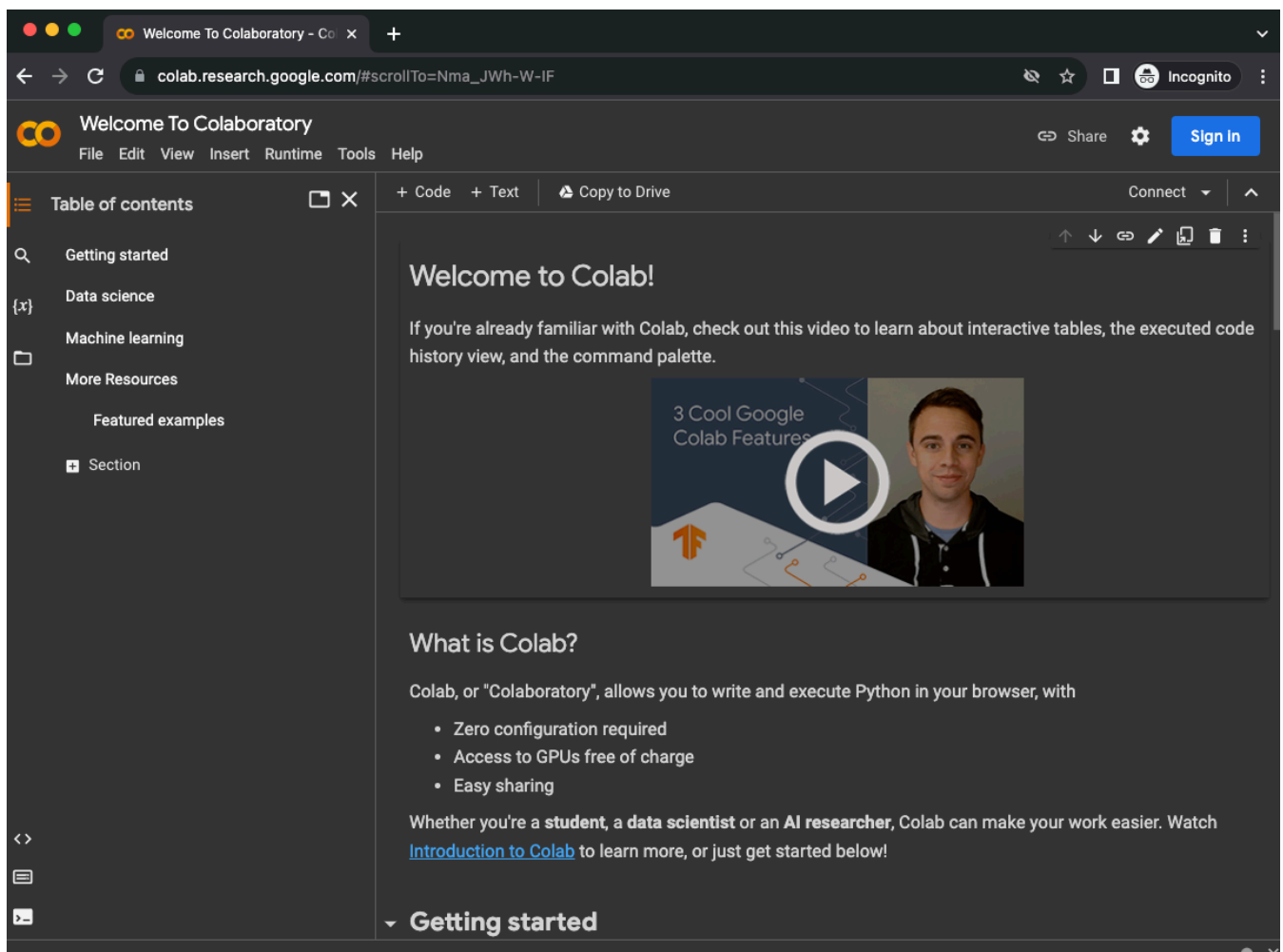
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Final Project

Documentation on How to Code on Google Colab:

Go on <https://colab.research.google.com/>

In order to run the OpenAI GPT-3 model, you need to create an account and get an API Key which you will copy inside of the EN_605_662_Final_Project.ipynb cell that tests the "gpt-3.5-turbo" model



Welcome To Colaboratory

File Edit View Insert Runtime Tools Help

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Welcome to Colab!

If you're already familiar with Colab, check out this video to learn about interactive tables, the executed code history view, and the command palette.

3 Cool Google Colab Features

What is Colab?

Colab, or "Colaboratory", allows you to write and execute Python in your browser, with

- Zero configuration required
- Access to GPUs free of charge
- Easy sharing

Whether you're a **student**, a **data scientist** or an **AI researcher**, Colab can make your work easier. Watch [Introduction to Colab](#) to learn more, or just get started below!

Getting started

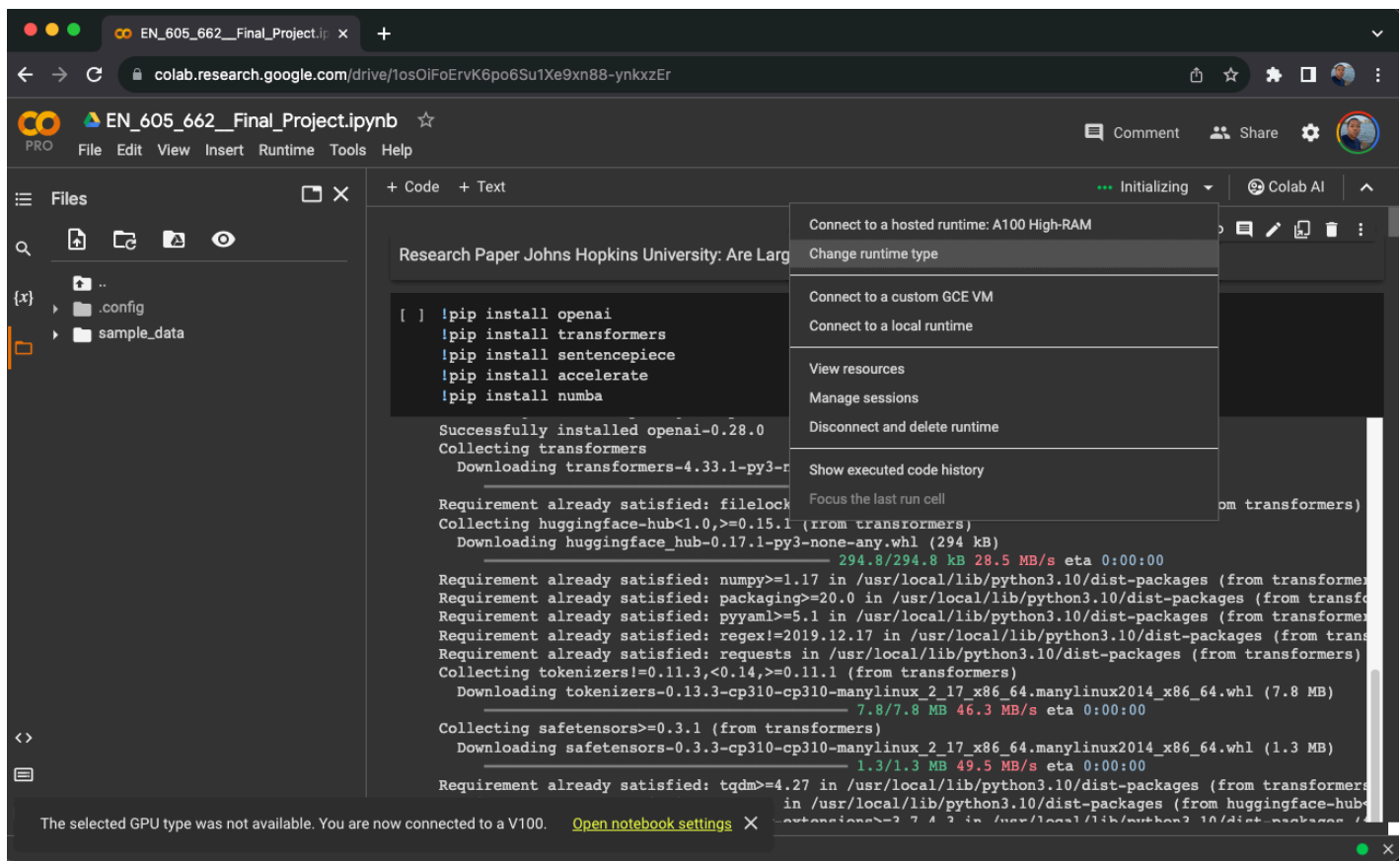
1. Click on the Sign In Button in the upper right corner
2. Sign In with your Google Account
3. Sign up for Google Pro Plan to gain access to NVIDIA A100 to be able to test llama-7b and llama-13b
4. If you stick to the free plan then you will still have access to the T4 GPU and you can the 7 other models

How to run EN 605 662 Final Project.ipynb

The screenshot shows the Google Colab web interface. The browser address bar is at the top, showing `colab.research.google.com`. The page title is "Making the Most of your Colab Subscription". The left sidebar contains a menu with the following items: "New notebook", "Open notebook" (with keyboard shortcut `⌘/Ctrl+O`), "Upload notebook", "Rename", "Save a copy in Drive", "Save a copy as a GitHub Gist", "Save a copy in GitHub", "Save" (with keyboard shortcut `⌘/Ctrl+S`), "Revision history", "Download", and "Print" (with keyboard shortcut `⌘/Ctrl+P`). The main content area displays the tutorial text, which includes instructions on how to upgrade to a premium GPU and how to check the GPU status using a code cell. The code cell contains the following Python code:

```
[ ] gpu_info = !nvidia-smi
gpu_info = '\n'.join(gpu_info)
if gpu_info.find('failed') >= 0:
    print('Not connected to a GPU')
else:
    print(gpu_info)
```

Below the code cell, the text reads: "In order to use a GPU with your notebook, select the `Runtime > Change runtime type` menu, and then set the hardware accelerator dropdown to GPU."



1. Click on File in the upper left corner
2. Select upload notebook and select in your local device EN_605_662_Final_Project.ipynb
3. Select a runtime by clicking on the arrow down near initializing: Either A100 if you have access to it and want to test Llama-7b & Llama-13b or Select T4 if you have the free plan want to test the 7 other LLMs.
4. Upload Turing_Test.txt data by clicking on the icon (page with arrow up inside) in the upper left corner
5. All you have to do now is to run each individual cells one by one sequentially and all the models data will generated and you can download them

How to run Ratings_Visualization.ipynb

1. Create new Google Colab Session
2. Click on File in the upper left corner
3. Select upload notebook and select in your local device Ratings_Visualization.ipynb
4. Upload models_score.csv data by clicking on the icon (page with arrow up inside) in the upper left corner
5. All you have to do now is to run each individual cells one by one sequentially