

Configuration Manual

MSc Research Project
Data Analytics

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Project Submission Sheet
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Configuration Manual

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1 Access the Primary Dataset and necessary files

1. The given link to Google drive is shared here for access to relevant project artifacts. Click me!

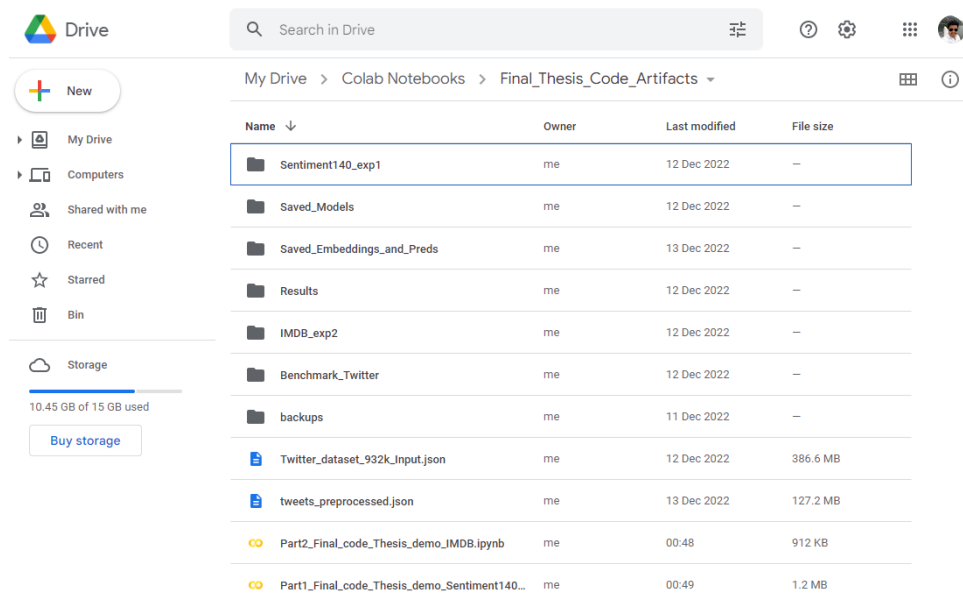


Figure 1: Google Drive location for relevant project files

2. Explore the shared drive location for Primary dataset ('Twitter_dataset_932k_Input.json') and relevant files. .
3. Models and predictions were saved for reuse in Saved_Models folder.
4. Colab notebooks starting with names Part1 and Part2 are the main project development codes. You can start here.

2 Google Colab Pro+ IDE for development

2.1 Choose the right Colab Membership for you

For this development project Pro+ membership was subscribed however, regular plans may allow execution (although execution time may vary).

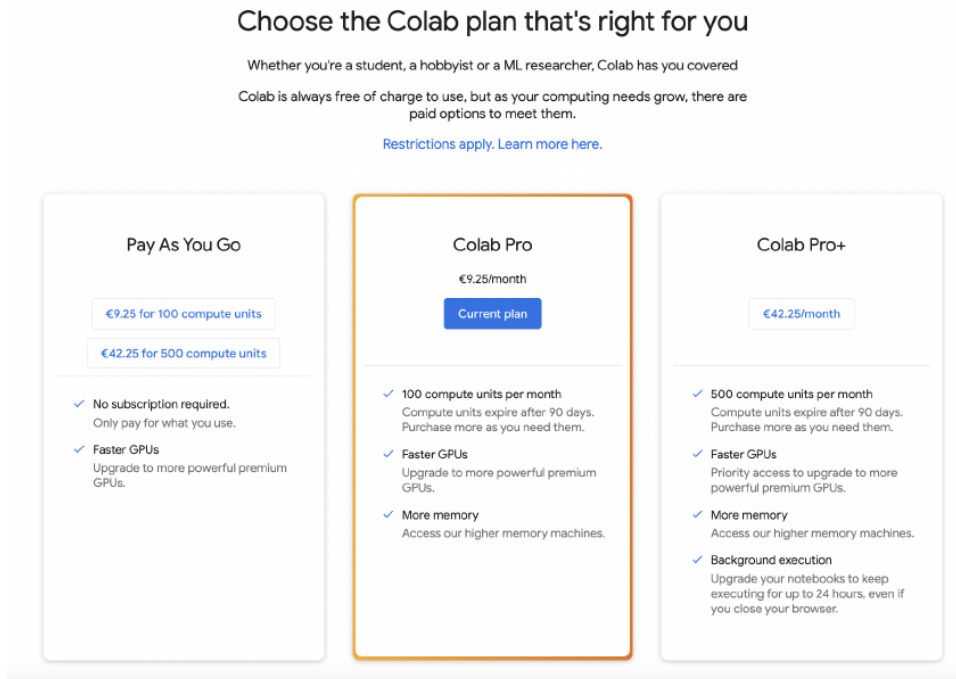


Figure 2: Google Colab Subscription for development and testing

2.2 Setup Google Colab IDE for Code Testing

1. Download the project files from the above mentioned drive link onto your google drive and update the drive paths in the code.

2. Open colab notebooks 'Part1_Final.code.Thesis_demo.Sentiment140.ipynb' and 'Part2_Final.code.Thesis_demo.IMDB.ipynb' for code setup. Both the code can be run independently for results. Sections have been designed properly to help with code understanding.

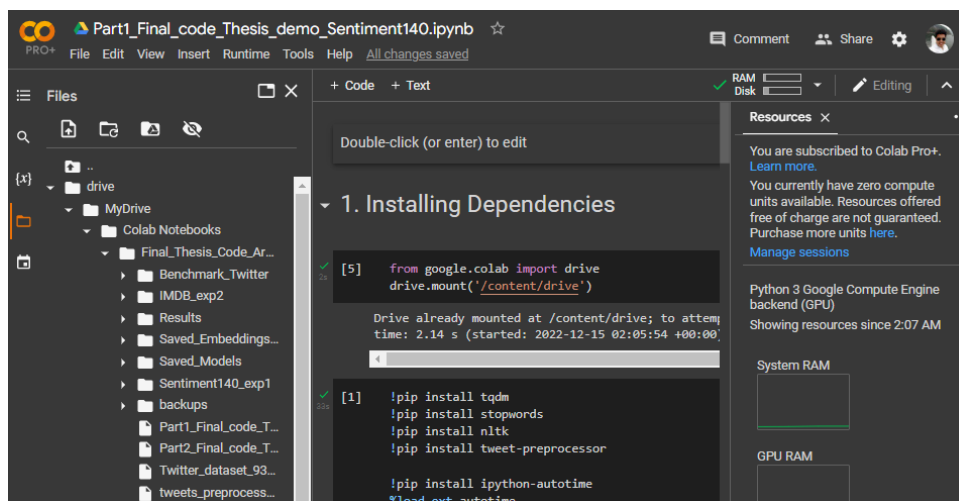


Figure 3: Google Colab Subscription for development and testing

3. Install Dependencies using 1st code cell to mount drive and necessary dependencies

for testing.

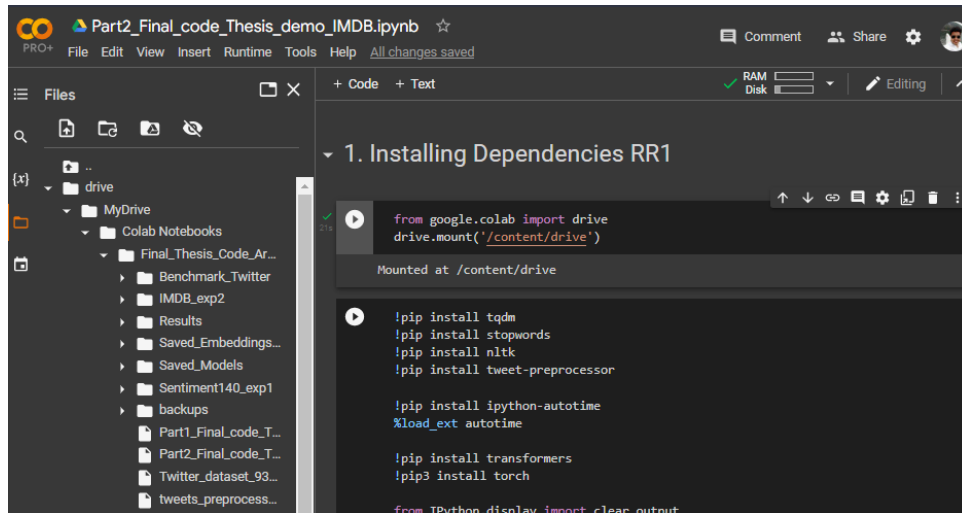


Figure 4: Google Colab Subscription for development and testing

3 Code Execution Steps

1. The whole code has been designed to run with 'Run all' feature in Google Colab, however it is advised to skip some steps to avoid long execution cycles. Comments and Hints have been marked throughout the code for testing.
2. The commented read commands can be uncommented to boost execution time instead of running section 3 Benchmarking step in each code.
3. All is set! You can now run the code section by section for Testing.