Setup Instructions

The IPYNB Notebook will run smoothly on anything later than Python 3.6. As far as possible, please run this notebook on Google Colab, as there will not be any issues regarding versions there.

Package Requirements

You will need to have these python packages installed in order to be able to run our notebook. They are:

- pandas
- matplotlib
- numpy
- sklearn
- lightgbm
- imblearn

Do install these packages, if you do not have any of them, to ensure smooth running of the notebook.
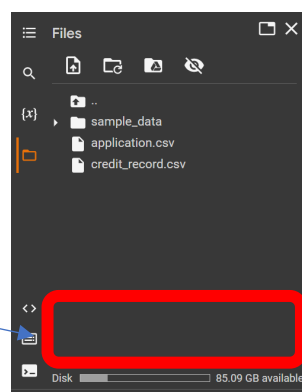
Running the IPYNB File

As far as possible, please run the notebook on Google Colab.

Steps are given below:

1) Open `main.ipynb` in Google Colab

2) Upload the two datasets given in the `Dataset` directory of the zip file. They are `application.csv` and `credit_record.csv`. They should be placed into the content folder of Google Colab's file directory. **IMPORTANT: Please make sure that the dataset has been fully loaded before running the code. It may take ~10 minutes for the dataset to be fully loaded.**

There should not be anything that indicates that the CSV files are still being uploaded here.

3) Proceed to run the colab file

Note: We have hidden a few of the code chunks as the notebook is very long. These correspond to sections such as Exploratory Data Analysis, as well as the initial baseline models/remedial measures. Please unhide them by pressing clicking on the "(number) cells hidden" button.