

UDHEIT Workshop: Learning Analytics capacity within your VLE platforms

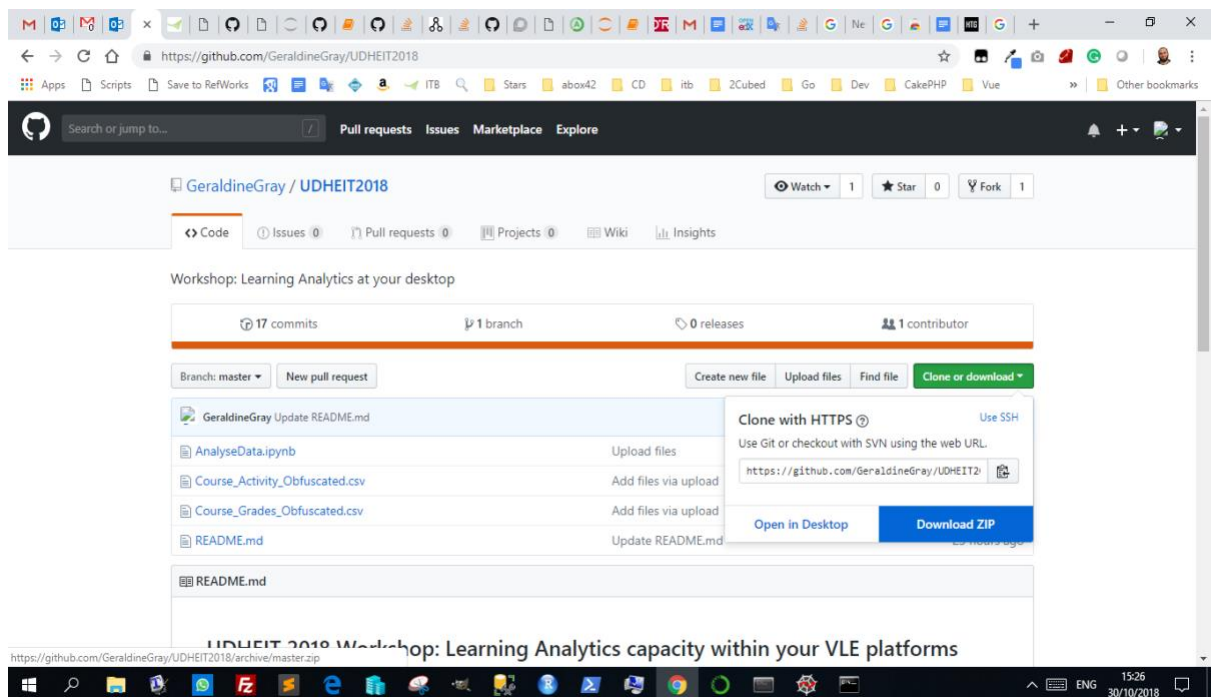
Overview

This setup guide describes how to prepare for the workshop.

Download and Extract the Workshop Files

Before you start the analysis, download the workshop file and extract it to a folder on your local computer.

1. In a web browser, navigate to <https://github.com/GeraldineGray/UDHEIT2018>
2. From the workshop page on github, you can press the 'Download ZIP' button which is located under the "Clone or Download" dropdown.



3. A zip archive "UDHEIT2018-master.zip" will be downloaded on the locally in the specified download folder.
4. Extract the content to a folder on your local computer.

Running on Google Colab (you will need a Google account):

- Login to your Google Account (for example go to [Gmail](#) and Sign-in)
- In a web browser, navigate to <https://colab.research.google.com> and upload the AnalyseData.ipynb file. Alternative, the file can be read directly from github as follows:


<https://colab.research.google.com/github/GeraldineGray/UDHEIT2018/blob/master/AnalyseData.ipynb>

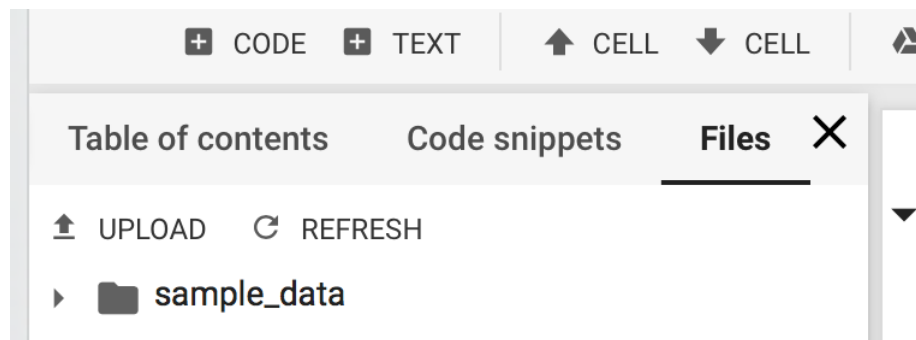
```
▼ Import packages

[ ] # #Unhide if you run the code from Google Colab (Select all line below, then (Ctrl + /))
    # !pip install graphviz
    # !apt-get install graphviz

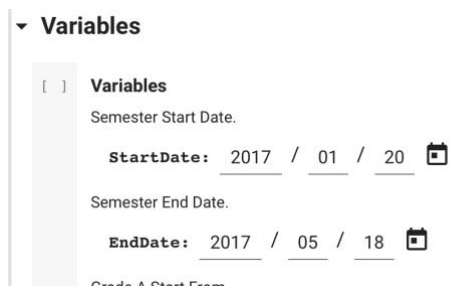
[ ]
import io
import numpy as np
import pandas as pd
import datetime
import re
import seaborn as sns
import matplotlib.pyplot as plt
```

- Click “COPY TO DRIVE”, to save a local copy of the code to your google drive.
- **Unhide** the code in the first code cell to be able to run the code from Google colab and import all the required libraries.

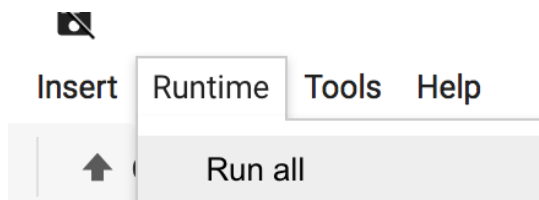
The code already includes data from the workshop files. To use new data files, click the left sidebar open button.  Click on "Files" and then click “Upload”. Select your .csv data files.



Once the data files are uploaded, update the variables according to your own files.



Then **run all** the code by navigating to “Runtime” > “Run all”

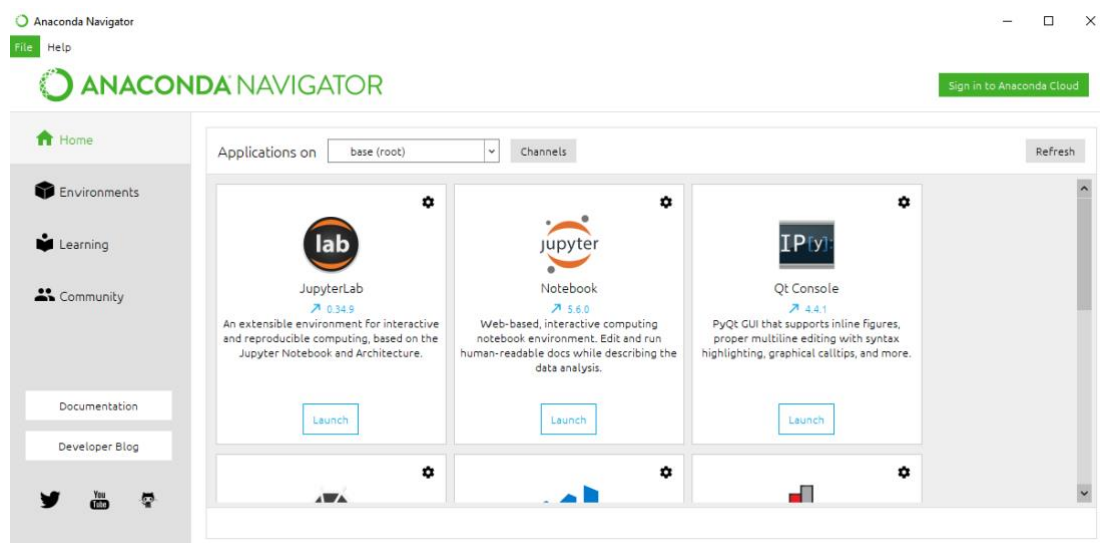


Running the code locally on your machine using Anaconda:

The code can be run locally on your machine also. This saves personal data being uploaded to the cloud. To run it locally, you need to install **Anaconda**. It works on Windows, Linux, or Apple Macintosh computer. You will need a web browser and Internet connection.

Install the Python Anaconda Distribution

1. In a web browser, navigate to <https://www.anaconda.com/download>
2. Choose the installer for your operating system (Windows, Apple Macintosh, or Linux).
3. Complete the installation process for Python 3.7.
4. After installation is complete, open Anaconda Navigator, which should look similar to the following image:



5. Start jupyter by clicking "Launch" under the jupyter pane.
6. This will open a browser window showing the files on your machine. Navigate to the file analyseData.ipynb that you downloaded from github.