

# PathLAKE Masterclasses 18<sup>th</sup> and 20<sup>th</sup> May 2021

## Pre-event Study Material

### Hands-on '0 to AI' (Part I) – Classical ML

Scott Doyle (Buffalo, USA) & Andrew Janowczyk (Case Western, USA)

I've created a Google Drive folder with a notebook + dataset for use in the Classical ML hands-on workshop:

[https://drive.google.com/drive/folders/1RPVYp92JFHqJ9iZzq\\_pIJLKZrm-92sW2?usp=sharing](https://drive.google.com/drive/folders/1RPVYp92JFHqJ9iZzq_pIJLKZrm-92sW2?usp=sharing)

Please be aware that this notebook is still in a "beta" version and we plan to make changes up to the day of the workshop. If you view the notebook today, it may differ from the final version presented during the class.

Anyone with a Google account (or an institutional account that allows GSuite / Google Drive access) can use the above link to download the notebook and the CSV dataset. They can also open the notebook in the Colaboratory app in read-only mode. If they wish to make edits or run the code themselves, they can make their own editable copy of the notebook by going to "File" and then "Make a copy in Drive".

Anyone who does not have a Google account (and does not wish to create one for the class) will still be able to view and download the notebook and dataset; however, they will need to have a local Python + Jupyter installation to open the notebook on their local computers.

In this course, we will not be providing support for local installation of Python or Jupyter on your personal machines. However, if you are interested in doing so on your own, I recommend starting with the Anaconda / Miniconda installation of Python, which includes several useful packages for machine learning. You can find instructions for installing it here: <https://docs.anaconda.com/anaconda/install/>

To learn more about using Jupyter to view notebooks, look here: <https://jupyter.readthedocs.io/en/latest/index.html>

Finally, once we run through the workshop, I will print the notebook (with all its outputs) to a PDF file and save it in the folder linked above, so after the workshop anyone without a Gmail account and without a Python + Jupyter installation should at least have the code and results to look over.

### Hands-on '0 to AI' (Part II) – Deep Learning

Shan Raza, Simon Graham, John Pocock & Mostafa Jahanifar (Warwick, UK)

Please follow the link below to join the hands-on session.

<https://tiatoolbox.dcs.warwick.ac.uk/masterclasses-2021.html>