On your device

Prior starting, make sure to have admin rights on your device. While this is not a must-have it will make your life way easier.

A. Basics

1. Install R

https://cran.r-project.org/bin/windows/base/

2. Install R Studio (R IDE)

https://www.rstudio.com/products/rstudio/download/

3. Data Manipulation

```
install.packages('tidyverse')
```

4. General ML package

```
install.packages('caret')
```

5. Others packages in support

B. Neural Networks

1. 64-bit OS

Sorry, this is a must have.

2. Install the latest release of Python

https://www.howtogeek.com/197947/how-to-install-python-on-windows/

Do not forget to set the following environment variables on your device

• PATH must point to the directory of python.exe (e.g. C:\User\ FolderWhereYouInstalledPython)

And, in case you are working on a corporate device:

- set HTTP_PROXY to http://YOUR_ID:YOUR_PWD@proxymil.internal.unicredit.eu:3128/
- and HTTPS_PROXY to https://YOUR_ID:YOUR_PWD@proxymil.internal.unicredit.eu:3128/

3. Interface R - Python

```
install.packages('reticulate')
```

4. Neural Nets

C. Jupyter Notebooks

In case you want to run our amazing notebooks offline. (Requires Python installation)

1. Configure stuffs

Do not forget to set the following environment variables on your device

• PATH must point to the directory of R.exe (e.g. C:\Program Files\R\R-3.5.0\bin)

2. Install visual Studio Build Tools

http://landinghub.visualstudio.com/visual-cpp-build-tools

3. From the CMD line (opened as administrator)

If you wish to use jupyter notebooks

pip install jupyter

If you prefer jupyterlab instead

pip install jupyterlab

Be sure to be in the right hard drive

C:

Start jupyter/jupyterlab (a browser window should magically pop up). From there, you can source the .ipynb in the folder where you have downloaded it

jupyter-notebook
jupyter-lab

To connection (once you are done), hit CTRL+C twice in the CMD line

D. Cloud

In case you do not manage to execute A. and B. you can run everything from https://rstudio.cloud