## Tutorial on how to run "impedimetric\_analysis.py"

## **Prerequisites**

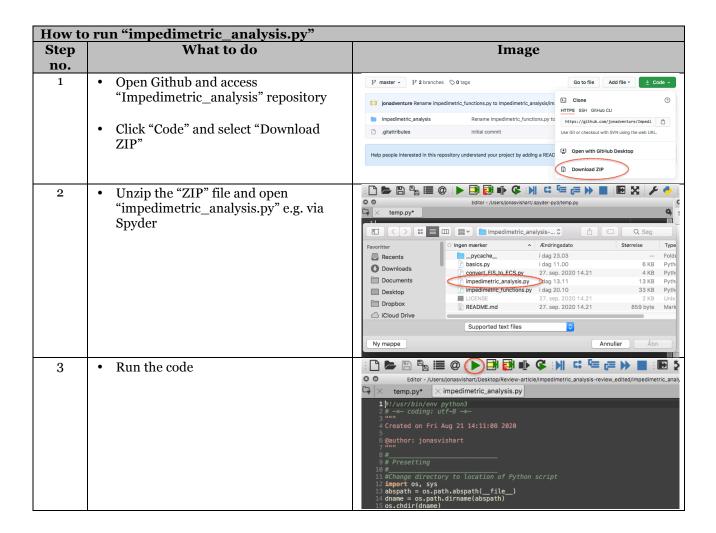
- Python 3.7.0 or a newer version
- Following packages: Matplotlib, Numpy, Openpyxl, Os, Pandas, Pylab, Re, Scikit-learn, Scipy, Sys, Tkinter (tk).

It is highly recommended that programming beginners should use Anaconda<sup>1</sup>, in which e.g. Spyder can be used to run Python. Anaconda is easy to install and include various packages and tools.

A package can be installed in Anaconda, follow this tutorial<sup>2</sup>. If using Anaconda with Python 3.7.0 or a newer version, following packages are already installed: *Matplotlib, Numpy, Os, Pandas, Re, Scikit-learn Scipy* and *sys*.

To install remaining packages, open an Anaconda prompt/terminal and type following:

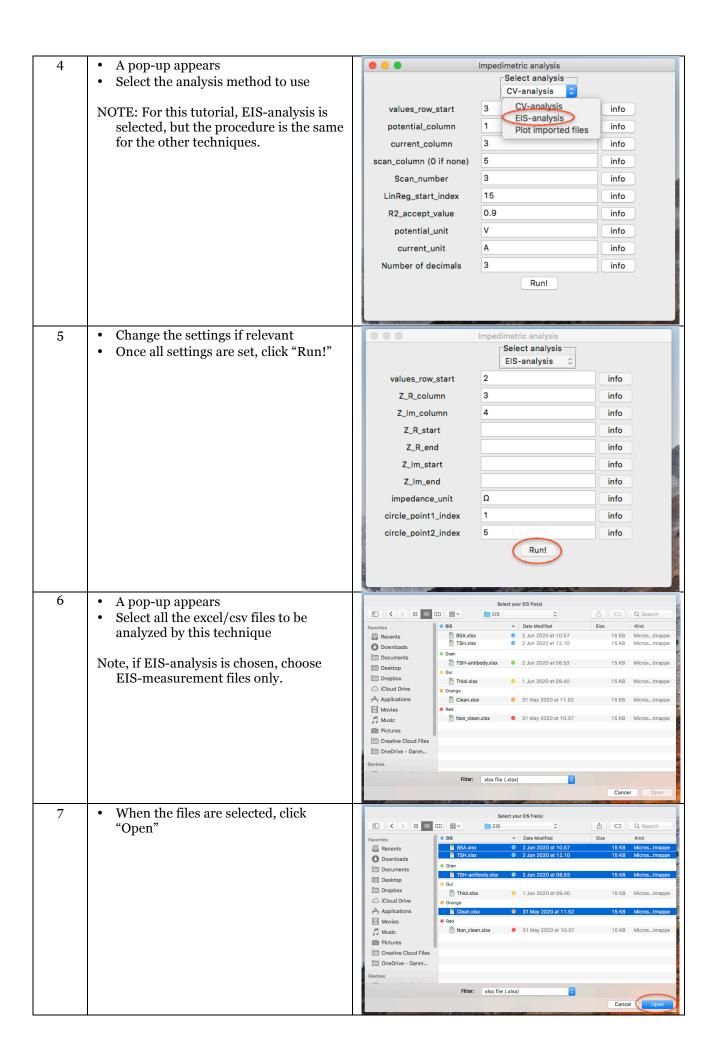
- conda install openpyxl
- conda install pylab
- · conda install tk

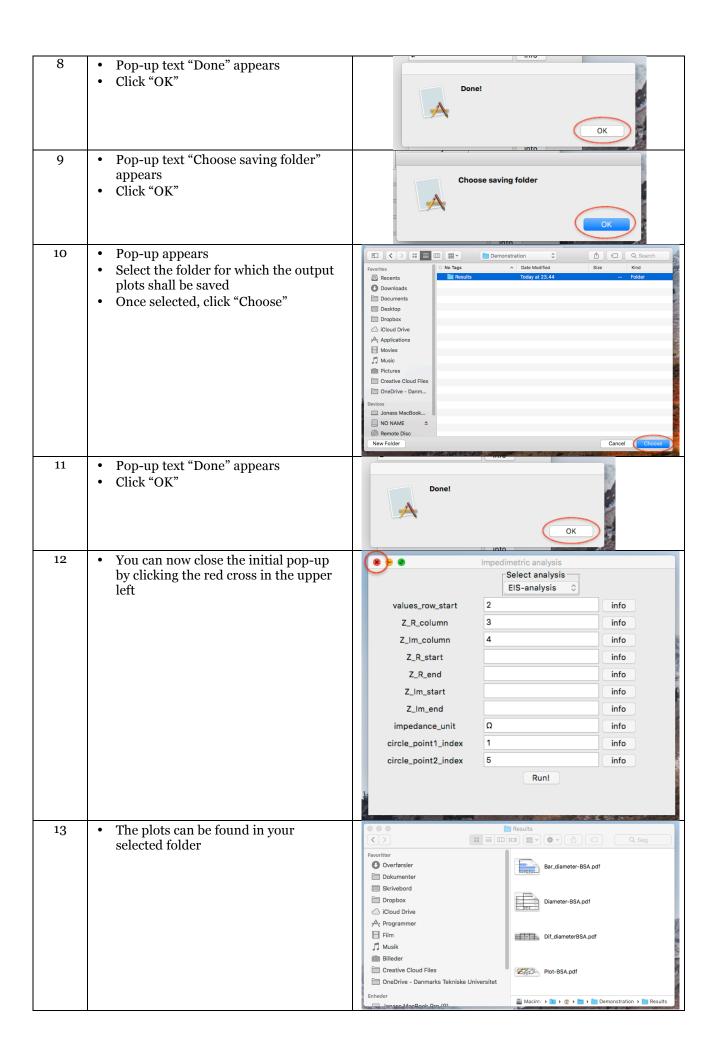


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<sup>&</sup>lt;sup>1</sup> https://www.anaconda.com

<sup>&</sup>lt;sup>2</sup> https://docs.anaconda.com/anaconda/user-guide/tasks/install-packages/





## Comments on the different plots obtained from EIS-analysis

A total of four different plots are obtained in a successful EIS analysis.

See an example below.

