# Installation guide for *easyPeasyA (*Windows 10)

***--this is not the tutorial on how to operate the app -- ;D***

## Introduction

EasyPeasyA is a python-based tool to calculate and plot Principal component analysis. It is a Browser application with three individual compartments. The first compartment is an App to calculate an Analysis of variance for feature selection. The second compartment contains tools for data preprocessing, and finally the third compartment is the PCA web application.

## Install Anaconda/Miniconda

The browser application easyPeasyA is written in Python 3 and runs in a Conda environment. To use the one-click-installation of *easyPeasyA* you have to have miniconda or anaconda installed on your PC. The Anaconda Distribution is a free, easy-to-install package manager, environment manager and Python distribution with a collection of 1,000+ open-source packages with free community support. Miniconda is a lightweight version of anaconda.

Simply follow the installation description on the anaconda website (unless you have Anaconda already running on your PC):

Anaconda: <https://docs.anaconda.com/anaconda/install/windows/>

Miniconda: <https://docs.conda.io/en/latest/miniconda.html>

Anaconda vs. Miniconda: <https://docs.conda.io/projects/conda/en/latest/user-guide/install/download.html#anaconda-or-miniconda>

## Install *easyPeasyA*

Download all *LCLCIM* related files from GitHub**.** Create a new folder for *easyPeasyA* and copy all relevant data into it. Execute the install.bat file (double click). And wait until the installation of all packages is completed. Now, easyPeasyA is ready to run.

Note: This just works when you installed Anaconda as Administrator.

## Start *easyPeasyA*

Start the ANOVA app:

Execute the run\_ANOVA.bat file and type in your browser the ip-address 127.0.0.1:8000

Start the Preprocessing app:

Execute the run\_preprocessing.bat file and type in your browser the ip-address 127.0.0.1:8080

Start the PCA app:

Execute the run\_PCA.bat file and type in your browser the ip-address 127.0.0.1:8050

If you want you can create a desktop short cut for the run.bat file.

**Stop the App:**

Go back to the command prompt window and press ctrl+C to kill the script follow the instructions in command prompt