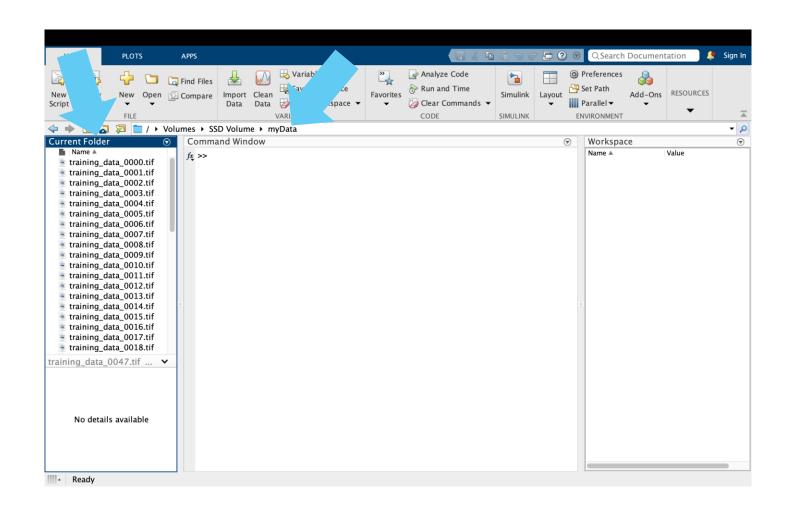
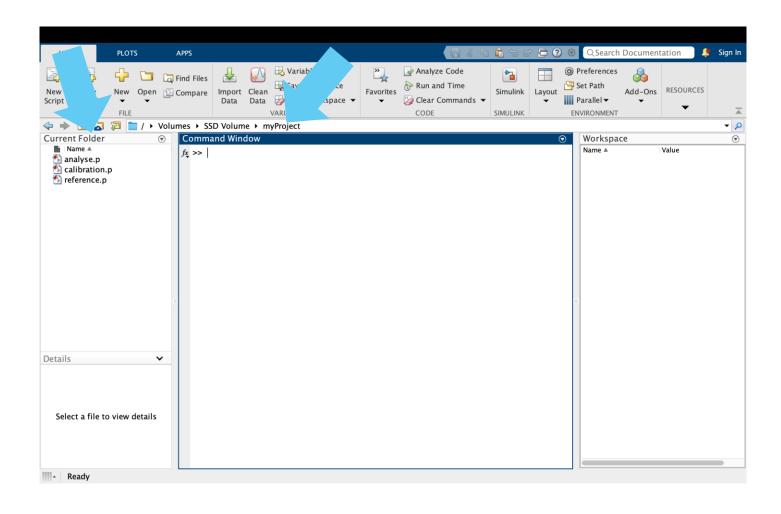
# exCaking

A guide for accurate elastic strain analysis using polycrystal diffraction data

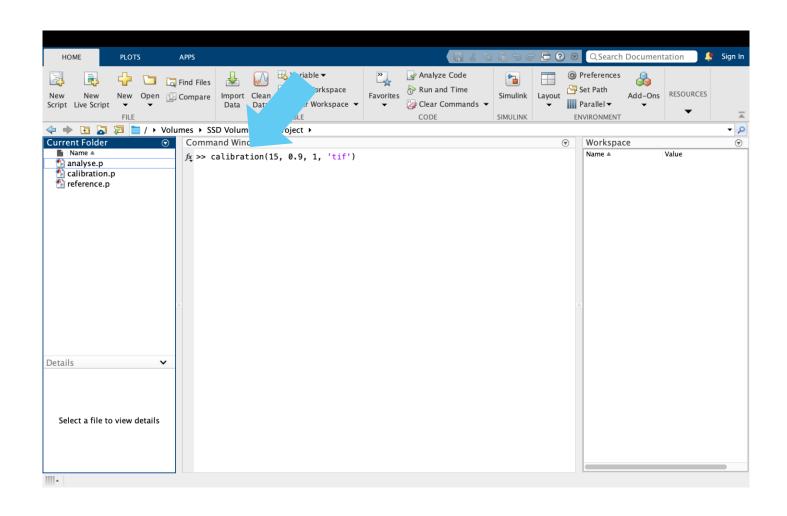
### Place polycrystal diffraction data in a folder



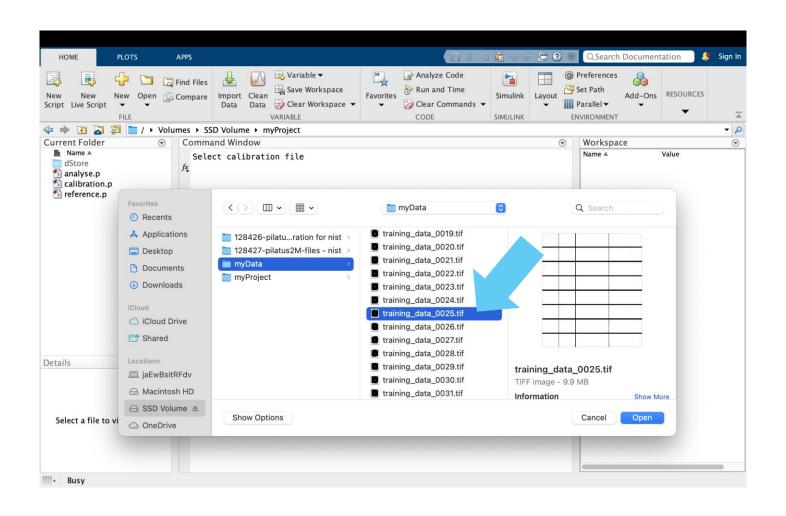
### Copy exCaking functions to project folder



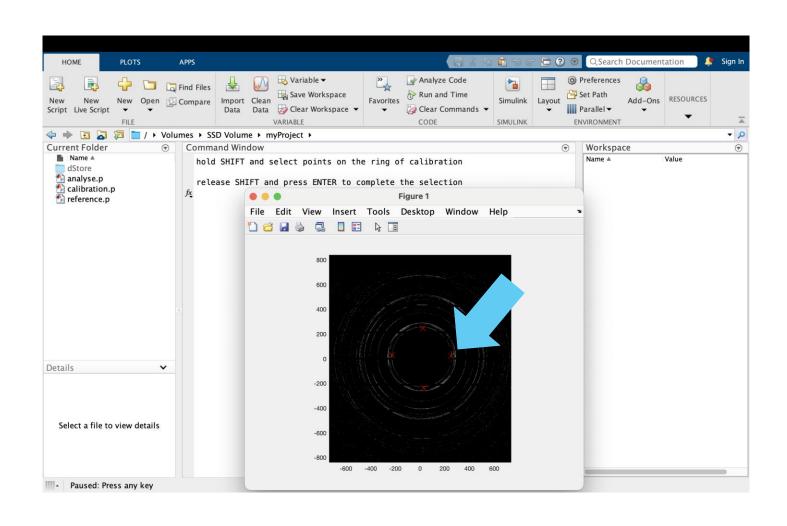
### Initiate calibration command



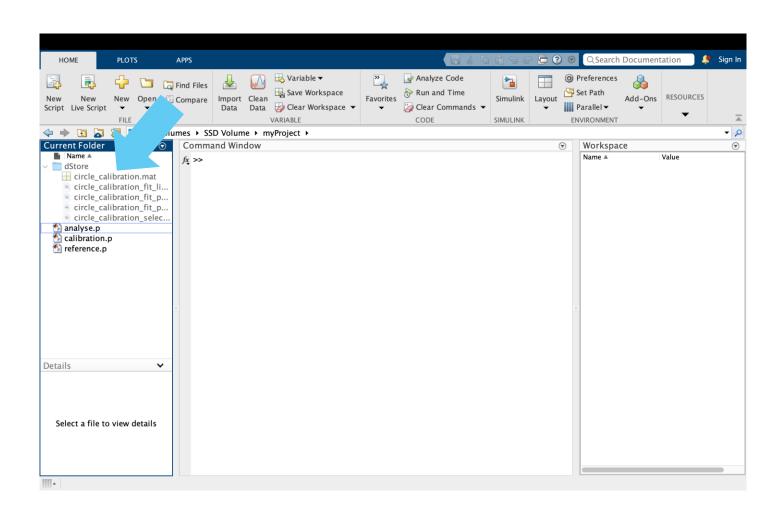
#### Select calibration file



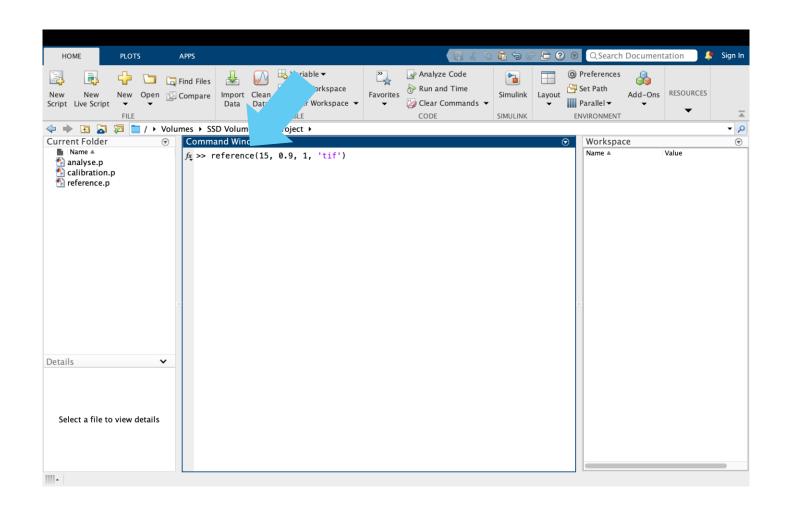
## Select fitting points on one of the rings



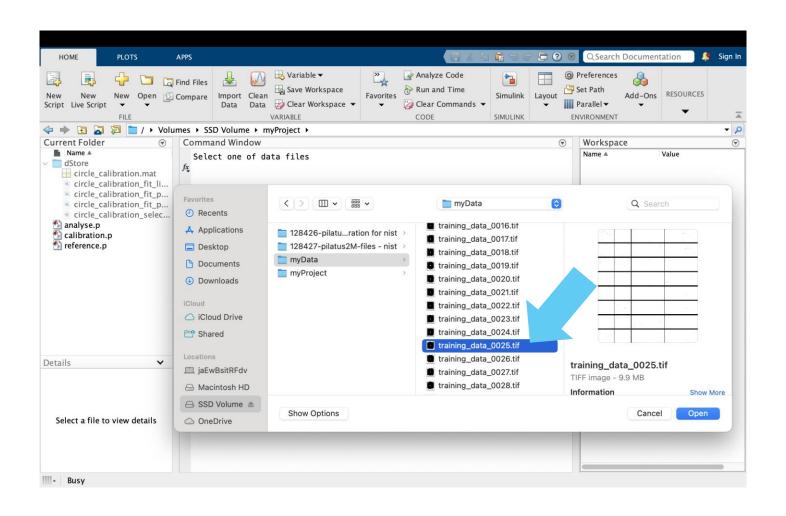
#### Calibration files are stored in **dStore** folder



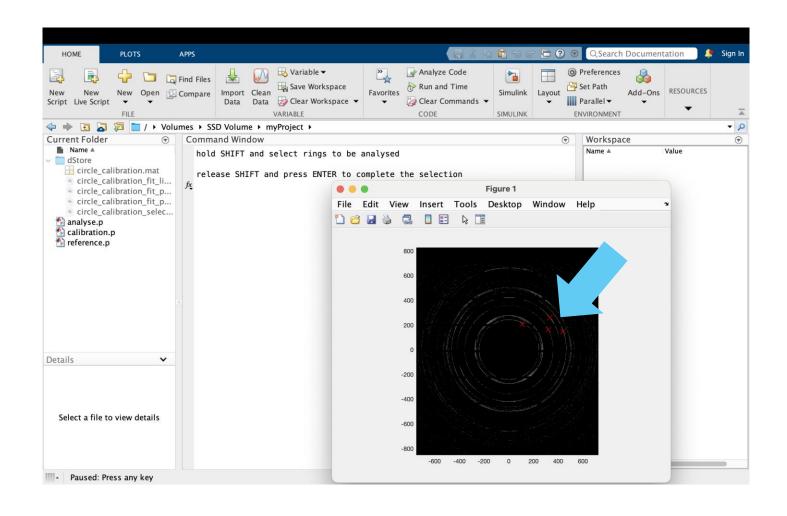
### Initiate reference command



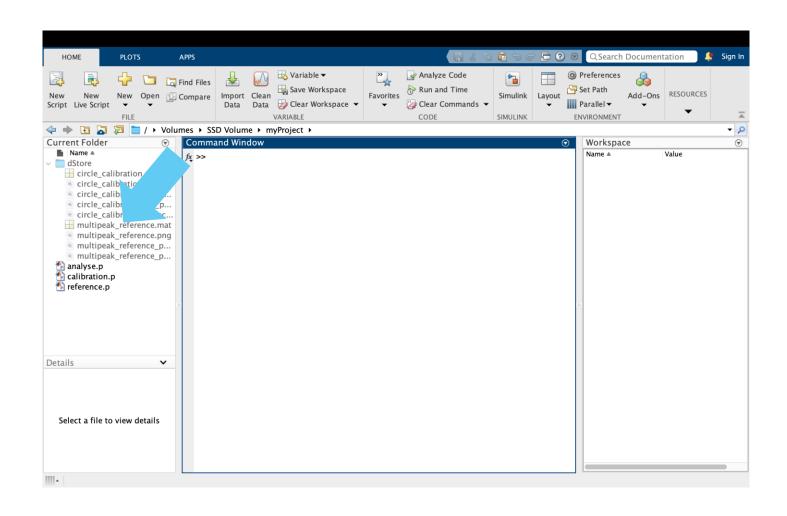
#### Select reference file



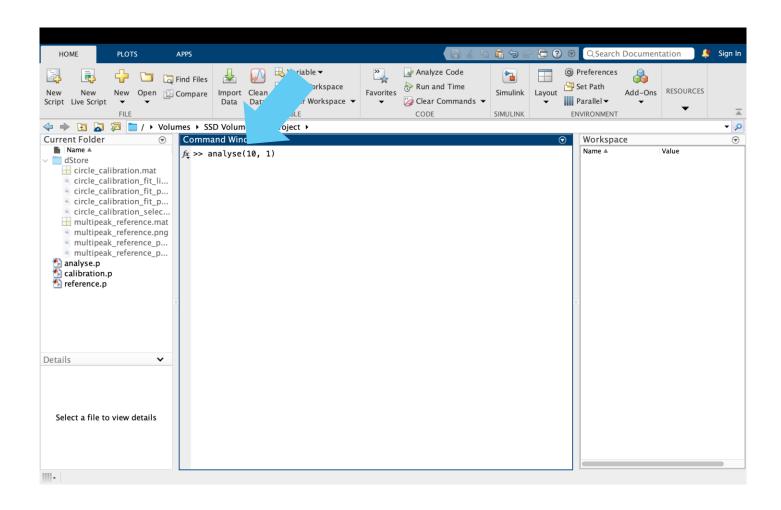
### Select rings to be analysed



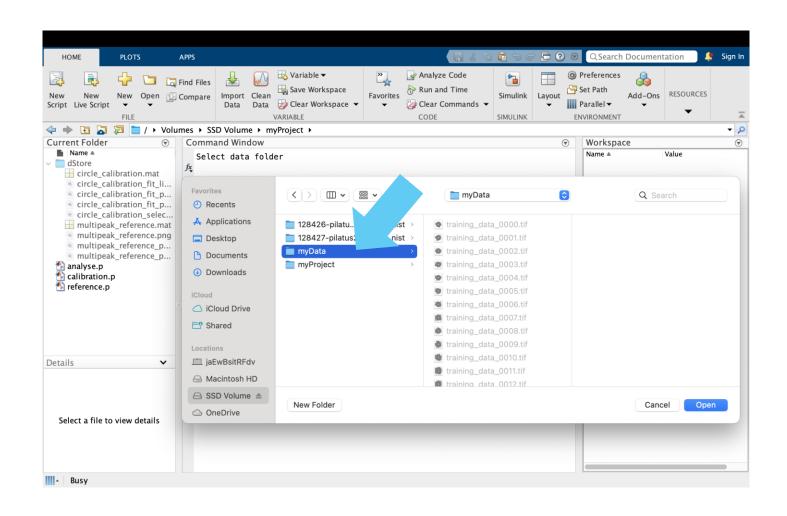
#### Reference files are stored in **dStore** folder



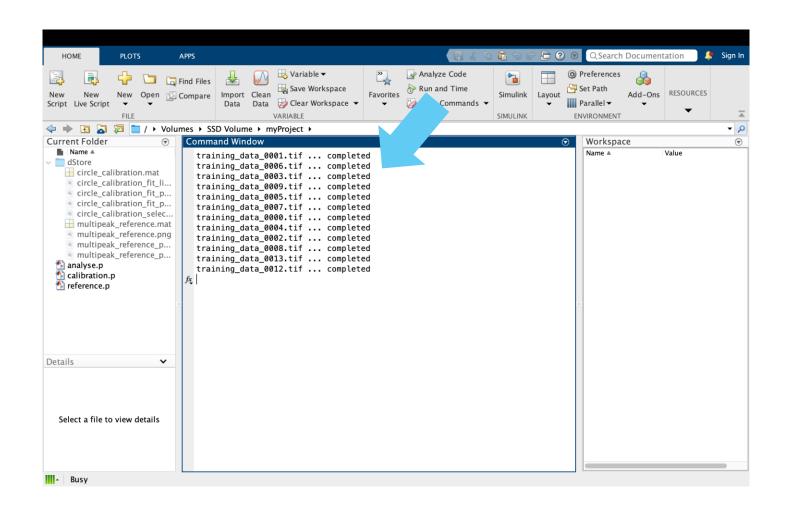
### Initiate the analysis



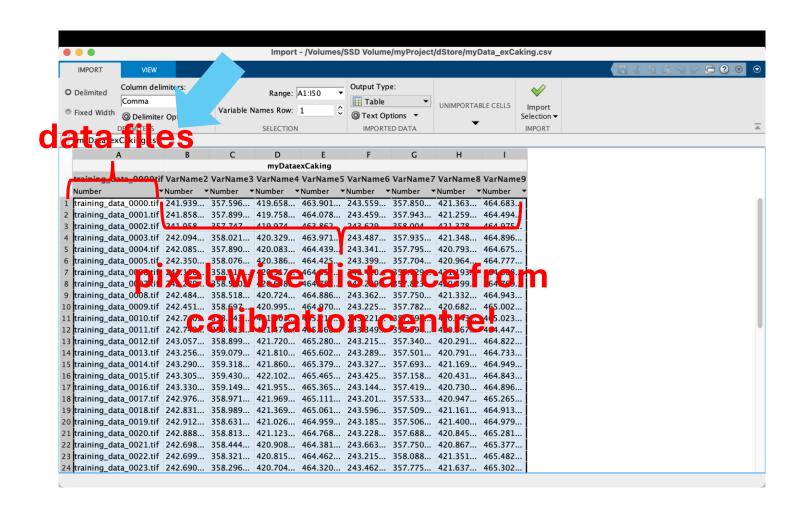
#### Select data folder



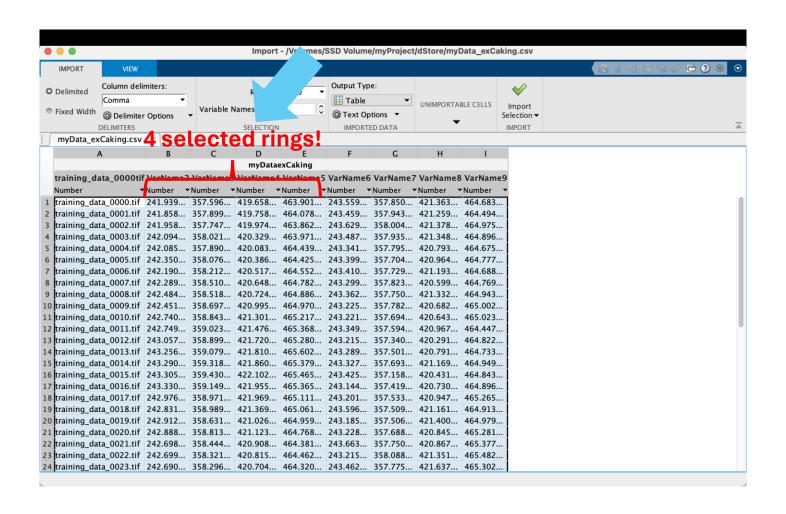
### Follow the progress from Command Window



#### Results are stored in **CSV** format



### Columns of horizontal xx-component



### Columns of vertical yy-component

