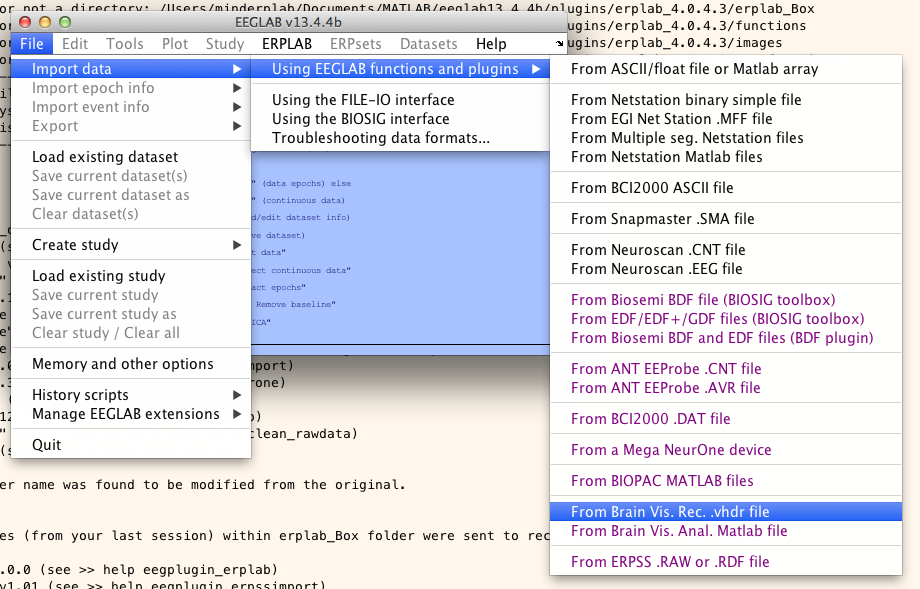
In the matlab command line type “eeglab” and press enter

To extract eeglab data from the Brain Products recording files:

Select File > Import Data > Using EEGLAB functions and plugins > From Brain Vis. Rec. .vhdr file



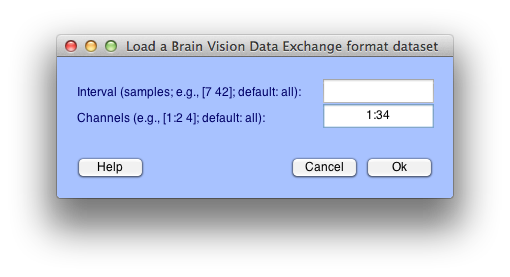
Navigate to the appropriate folder:

* For DT: REDWOOD/Blackbird/Intern Folder/ERP/160907-/DT/[participant id number, i.e., 173]
* For eDT\_angry: REDWOOD/Blackbird/Intern Folder/ERP/160907-/eDT\_angry/[participant id number, i.e., 173]
* For eDT\_happy: REDWOOD/Blackbird/Intern Folder/ERP/160907-/eDT\_happy/[participant id number, i.e., 173]
* For eDT\_calm: REDWOOD/Blackbird/Intern Folder/ERP/160907-/eDT\_calm/[participant id number, i.e., 173]
* For eGNG\_faces\_angry: REDWOOD/Blackbird/Intern Folder/ERP/160907-/eGNG\_faces\_angry/[participant id number, i.e., 173]
* For eGNG\_faces\_happy: REDWOOD/Blackbird/Intern Folder/ERP/160907-/eGNG\_faces\_happy/[participant id number, i.e., 173]
* For eGNG\_IAPS\_negative: REDWOOD/Blackbird/Intern Folder/ERP/160907-/eGNG\_IAPS\_negative/[participant id number, i.e., 173]
* For eGNG\_IAPS\_positive: REDWOOD/Blackbird/Intern Folder/ERP/160907-/eGNG\_IAPS\_positive/[participant id number, i.e., 173]
* For GNG: REDWOOD/Blackbird/Intern Folder/ERP/160907-/GNG/[participant id number, i.e., 173]

Select the file:

* For DT start with: DT\_blue\_session1\_[participant id number, i.e., 173]
* For eDT\_angry start with: eDT\_Angry\_Session1\_[participant id number, i.e., 173]
* For eDT\_calm start with: eDT\_Calm\_Session1\_[participant id number, i.e., 173]
* For eDT\_happy start with: eDT\_Happy\_Session1\_[participant id number, i.e., 173]
* For eGNG\_faces\_angry start with: eGNG\_Angry\_Session1\_[participant id number, i.e., 173]
* For eGNG\_faces\_happy start with: eGNG\_Happy\_Session1\_[participant id number, i.e., 173]
* For eGNG\_IAPS\_negative start with: eGNG\_IAPS\_negative\_Session1\_[participant id number, i.e., 173]
* For eGNG\_IAPS\_positive start with: eGNG\_IAPS\_positive\_Session1\_[participant id number, i.e., 173]
* For GNG start with: GNG\_Session1\_[participant id number, i.e., 173]

The “Load a Brain Vision Data Exchange format dataset” window appears. Enter nothing beside Interval, and 1:34 beside Channels.

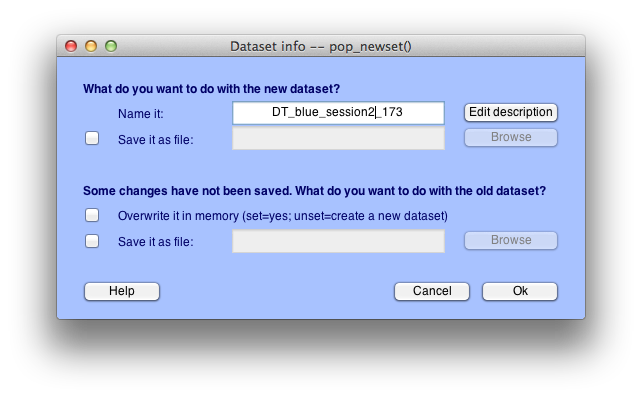


You will be asked to name the dataset, give it the same name it previously had (i.e., “eDT\_Happy\_Session1\_[participant id number, i.e., 173]”)

Repeat for all sessions in folder.

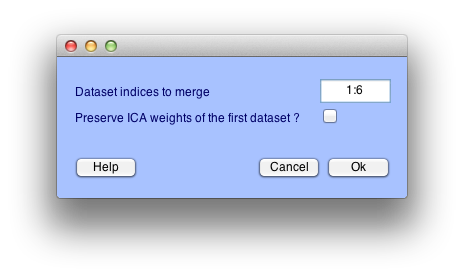
* For DT there are 6 sessions
* For eDT\_angry there are 2 sessions
* For eDT\_calm there are 2 sessions
* For eDT\_happy there are 2 sessions
* For eGNG\_faces\_angry there are 5 sessions for CARPP participants, 2 sessions for BETTA participants
* For eGNG\_faces\_happy there are 5 sessions for CARPP participants, 2 sessions for BETTA participants
* For eGNG\_IAPS\_negative there are 2 sessions
* For eGNG\_IAPS\_positive there are 2 sessions
* For GNG there are 5 sessions for CARPP participants, 2 sessions for BETTA participants

Note, after the first file the name dataset dialogue box will look like this. You only need to fill out the first field.

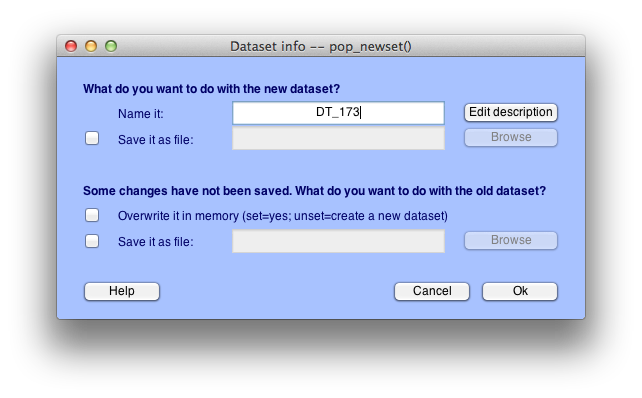


Go to edit > append datasets

* For DT enter 1:6 in the dialogue box and press “okay”
* For eDT\_angry enter 1:2 in the dialogue box and press “okay”
* For eDT\_calm enter 1:2 in the dialogue box and press “okay”
* For eDT\_happy enter 1:2 in the dialogue box and press “okay”
* For eGNG\_faces\_angry enter 1:5 or 1:2 (depending on number of sessions) in the dialogue box and “okay”
* For eGNG\_faces\_happy enter 1:5 or 1:2 (depending on number of sessions)in the dialogue box and “okay”
* For eGNG\_IAPS\_negative enter 1:2 in the dialogue box and press “okay”
* For eGNG\_IAPS\_positive enter 1:2 in the dialogue box and press “okay”
* For GNG enter 1:5, or 1:2 (depending on number of sessions)in the dialogue box and press “okay”



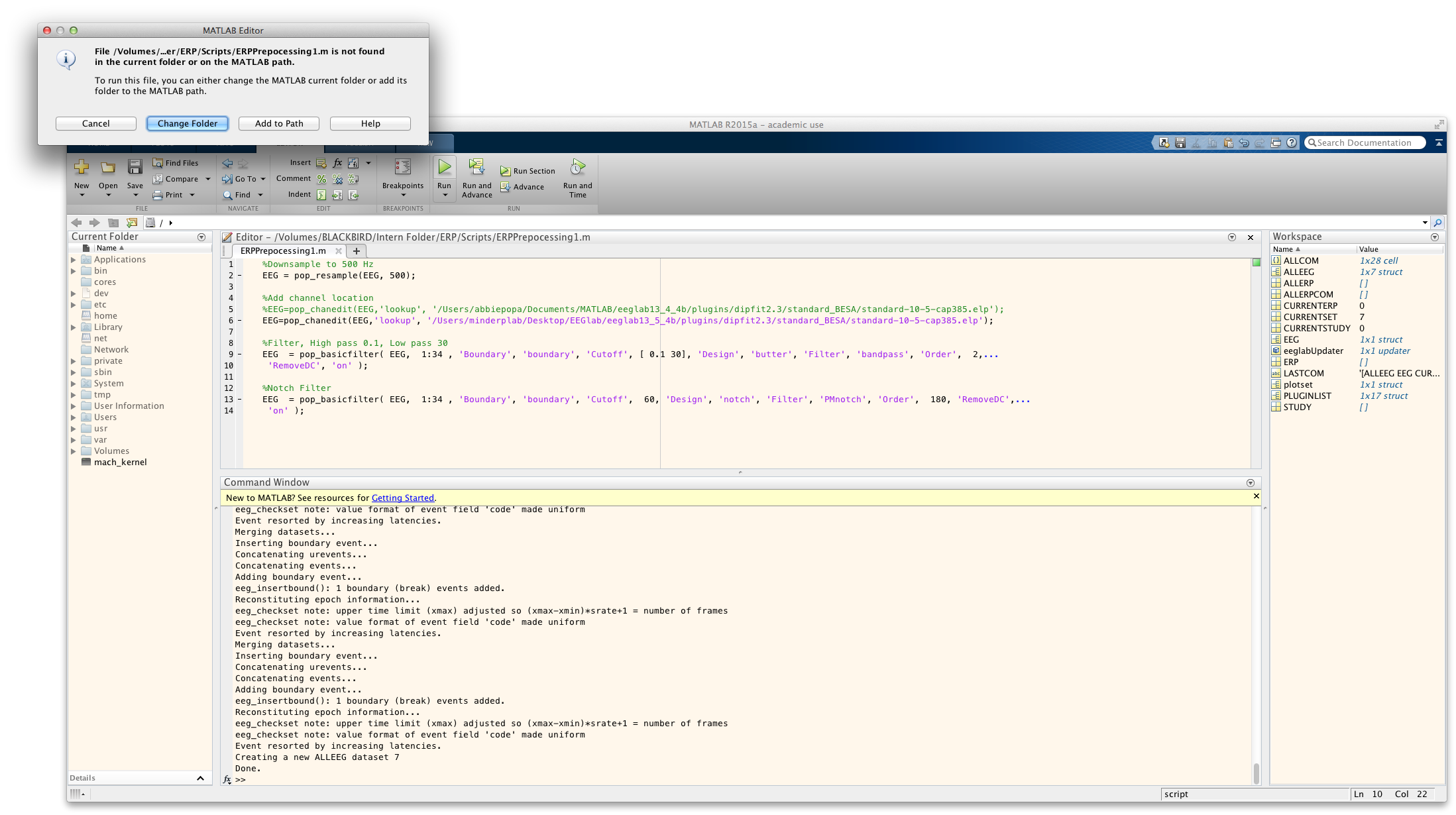
Name it with the task and participant id, e.g., DT\_173



Click the script in Matlab (ERPPreprocessing1)

Click the big green arrow to run

If a dialogue box appears, select “add to path”



IMPORTANT!!! File > Save Current Dataset As

Name after task and participant id with “preproc1” at the end. i.e., DT\_173\_preproc1

If you are not also completing artifact rejection close eeglab here and begin at the beginning! This will ensure you apply changes to the correct datasets. Do NOT start at the beginning without first closing EEGlab.

To complete artifact rejection:

File > Load existing dataset

Select the dataset that ends in “preproc1”

Plot > Channel Data (scroll)

Highlight regions to reject

If you are approved to reject without Abbie’s approval, click “reject”

Rename with task, participant id, and AR. i.e., “DT\_180\_AR”

Save as task, participant id, and AR. i.e., “DT\_180\_AR”