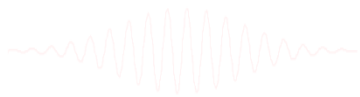
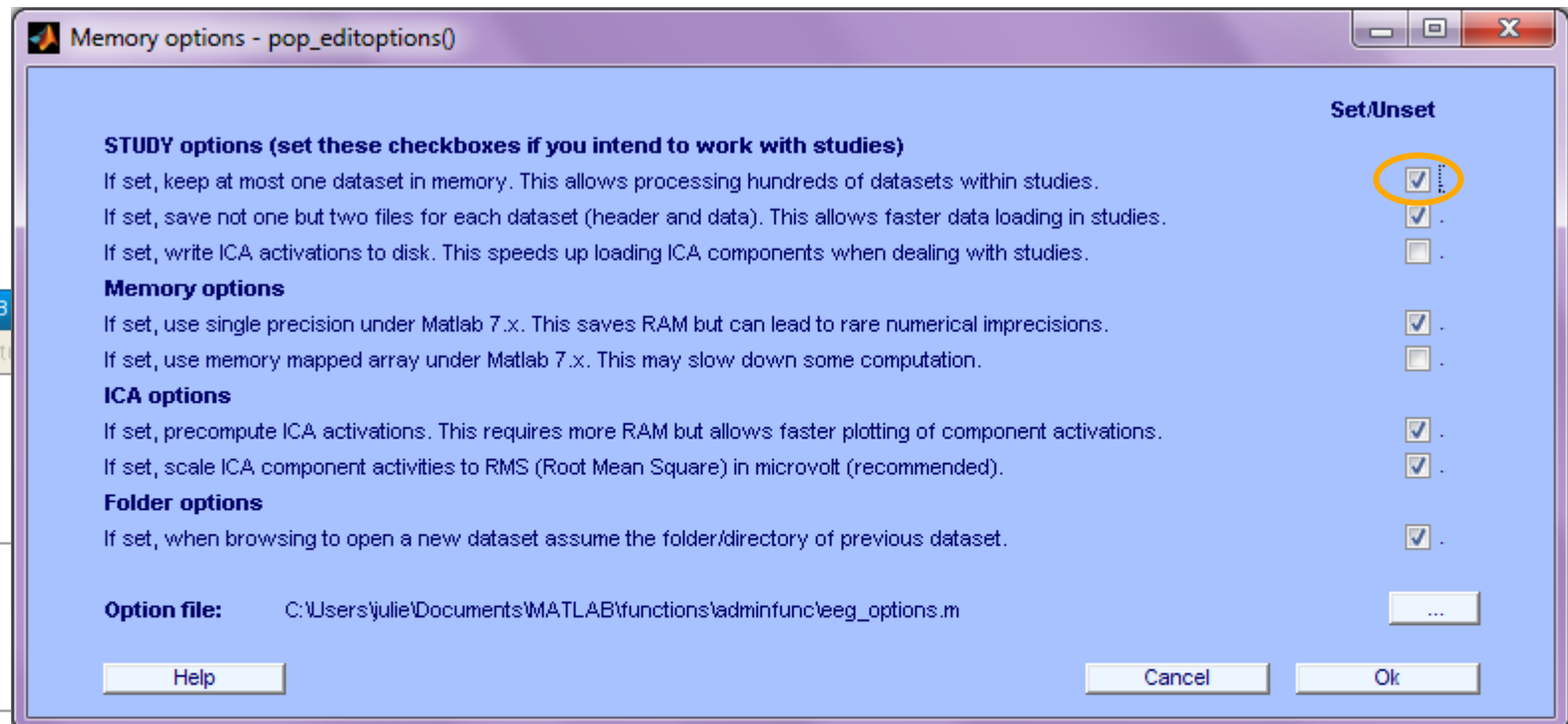
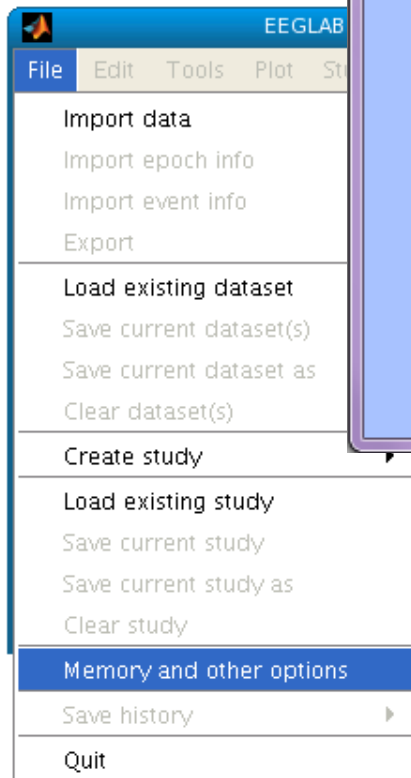
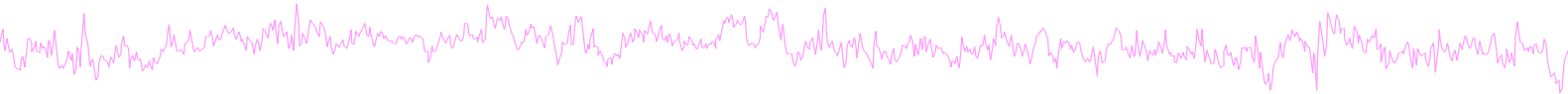
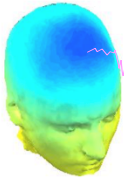


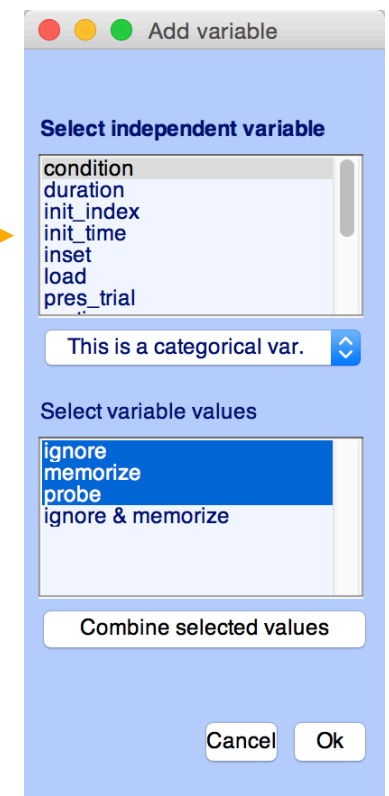
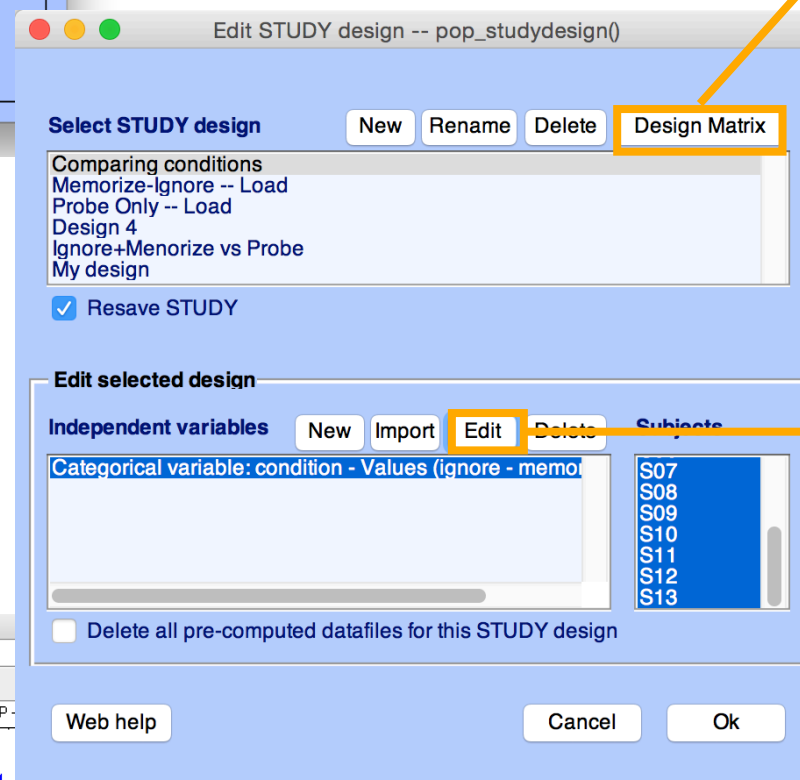
New STUDY design

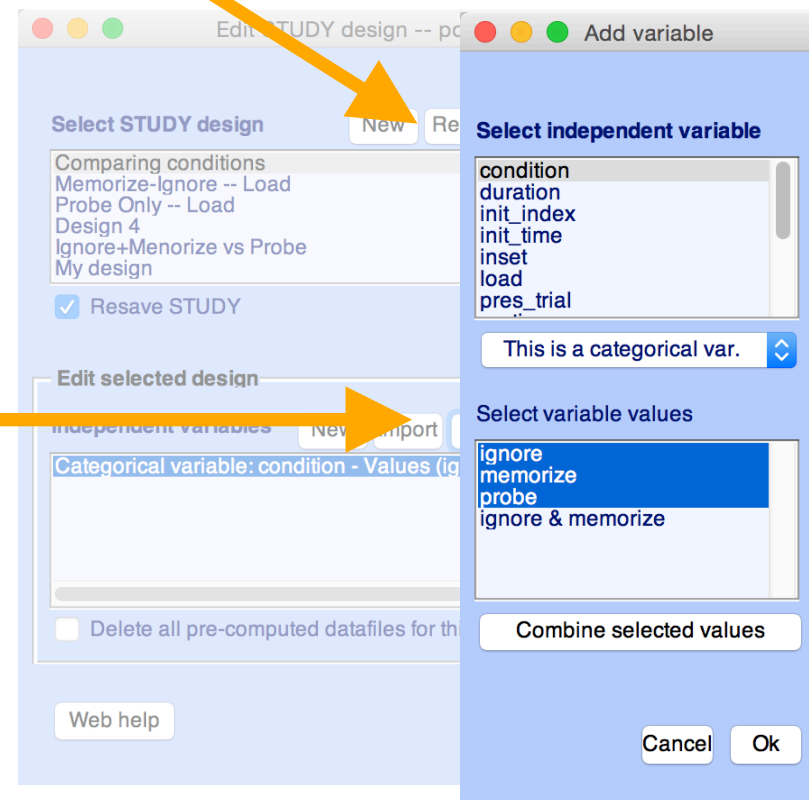
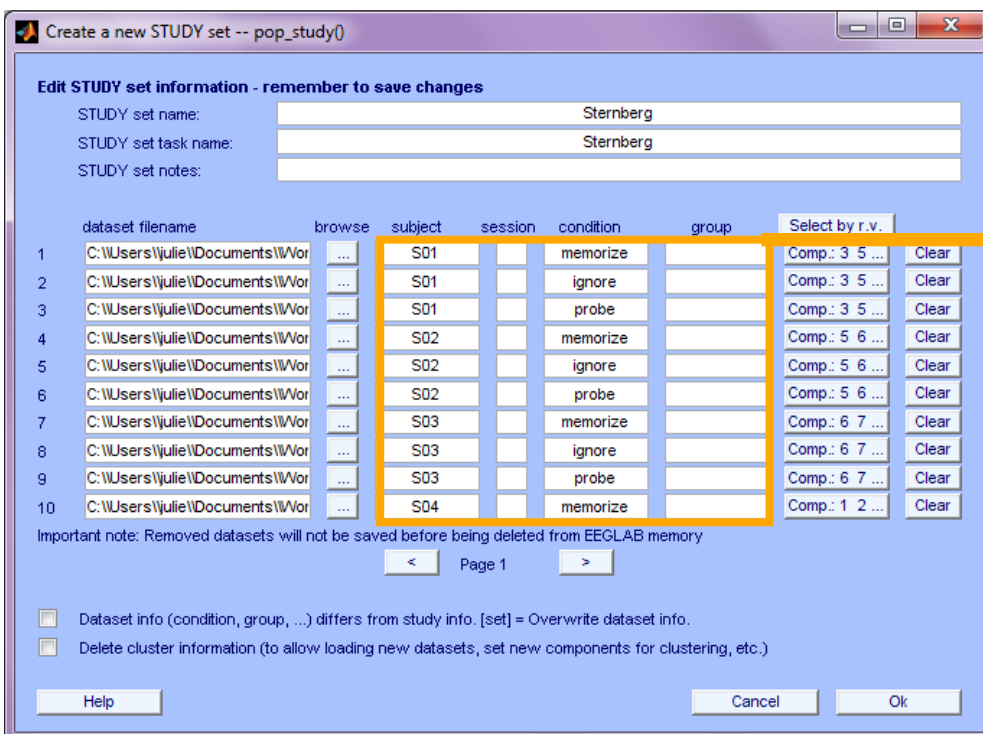
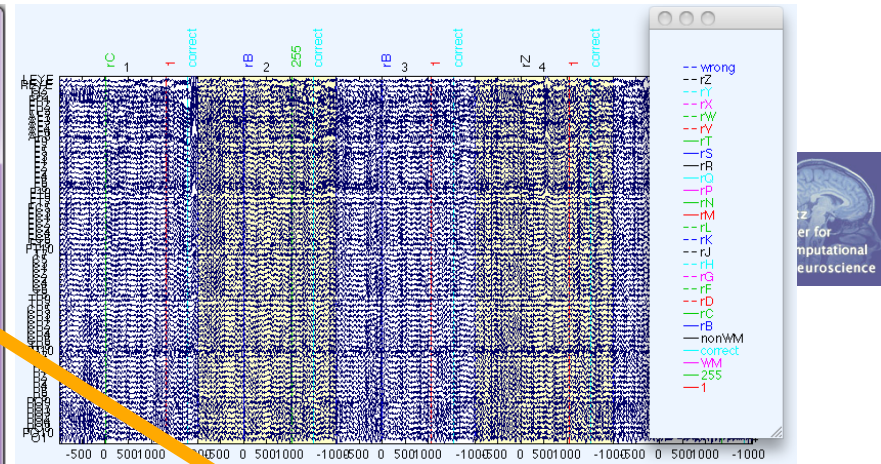
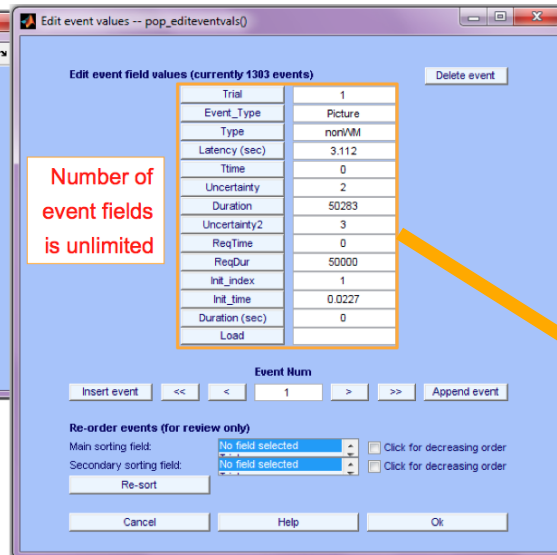
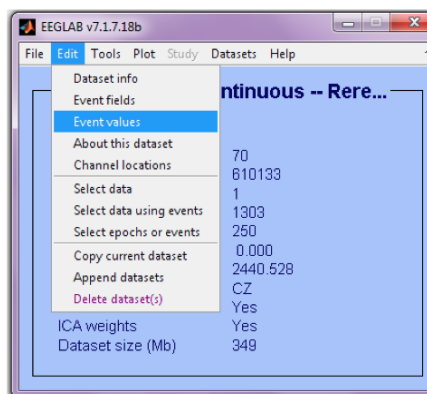


Memory options



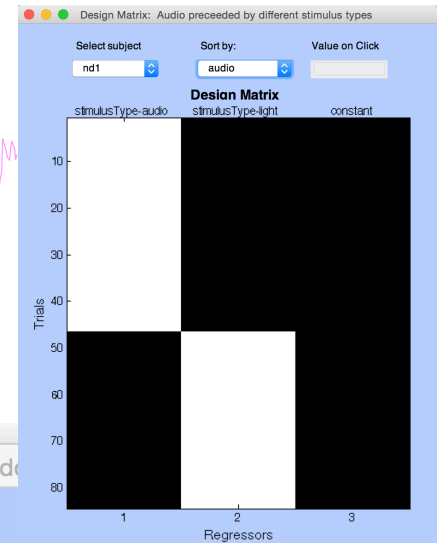
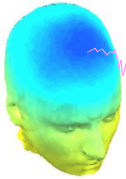
**Memory options should change
when using STUDY vs single dataset**





Design independent of # of files per subject

Other design examples



Edit STUDY design -- pop_studydesign()

Select STUDY design

New

Rename

Delete

Design Matrix

Audio versus light all subjects
 All stimulus type - non dual subjects only
 Blank versus other stimulus type - non dual subjects only
 Audio preceded by different stimulus types
 Audio versus light accross sessions - non dual subjects only
 Audio versus light accross presentation - non dual subjects only

☒ Resave STUDY

Edit selected design

Independent variables

New

Import

Edit

Delete

Categorical variable: stimulusType - Values (audio - light)
 Categorical variable: group - Values (control - nondual)

☐ Delete all pre-computed datafiles for this STUDY design

Subjects

nd2
nd3
nd4
nd5
nd6
nd7
nd8

Web help

Cancel

Ok

Add variable

Select independent variable

dataprob
indexinsession
presentation
prevevent
session
type
stimulusType

☐ This is a categorical var.

Select variable values

audio
blank
both
light
audio & light

Combine selected values

Cancel

Ok

Add variable

Select independent variable

group
dataprob
indexinsession
presentation
prevevent
session
type

☐ This is a categorical var.

Select variable values

control
nondual

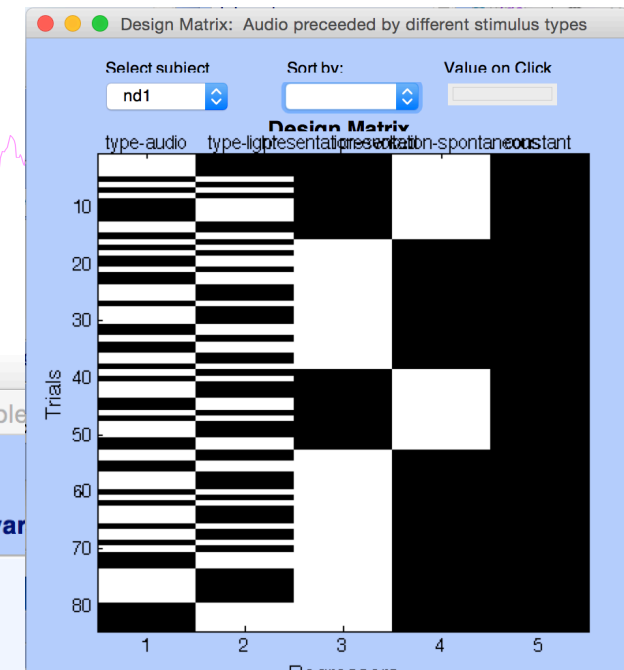
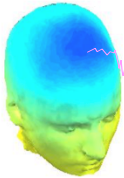
Combine selected values

Cancel

Ok

5

Other design examples



Edit STUDY design -- pop_studydesign()

Select STUDY design New Rename Delete Design Matrix

- Audio versus light all subjects
- All stimulus type - non dual subjects only
- Blank versus other stimulus type - non dual subjects only
- Audio preceded by different stimulus types
- Audio versus light across sessions - non dual subjects only
- Audio versus light across presentation - non dual subjects only

☒ Resave STUDY

Edit selected design

Independent variables New Import Edit Delete

Categorical variable: stimulusType - Values (audio - light)
Categorical variable: session - Values (1 - 2)

Subjects

- c6
- c7
- c8
- nd1
- nd2
- nd3
- nd4

☐ Delete all pre-computed datafiles for this STUDY design

Web help Cancel Ok

Add variable

Select independent variable

- datapro
- index
- session
- presentation
- prevent
- session
- type
- stimulusType

This is a categorical var.

Select variable values

- audio
- blank
- both
- light
- audio & light

Combine selected values

Cancel Ok

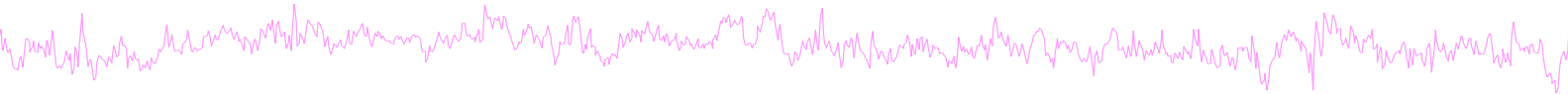
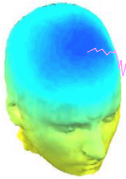
Select variable values

- evoked
- spontaneous

Combine selected values

Cancel Ok

Exercises



1. Use the “eeglabglm” version in the glm folder of the flash drive
2. Load stern.study in STUDY folder
3. Create a new STUDY **design** to compare two types of conditions
 - Ignore letter **grouped** with Memorize letter
 - Probe letters
4. Recompute spectrum and plot spectrum for electrode Fz. Adjust frequency range for plotting and superpose the two curves on the same plot.
5. Plot scalp topography at 10 Hz for both conditions

