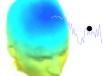
# IC Evaluation Practicum (15:45 – 17:00 Day 1)



- Download then load faces\_4.set, epoch on face



#### **Novice**, Intermediate

- From the GUI, open the 'Reject component by map' interface
- Explore and classify several additional ICs: muscle, channel, brain
  - ~ Justify your classification
- Redo the "Plot → Component ERPs → With component maps" excluding your additional artifacts. What change do you observe?
- Pick a brain IC. Plot an ERP Image
  - ~ Try sorting by phase, is there any relationship to the IC activation pattern? What about power in a frequency band of choice?

#### **Intermediate**

- Plot ERP Image sorted by response latency
- , Figure out how to realign trials to response latency instead 'Align')

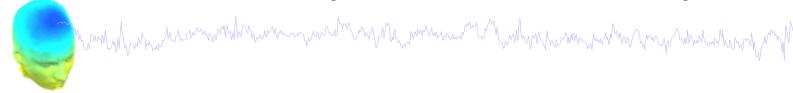
(Hint

- Plot ERSPs for selected ICs
  - ~ Explore parameter options. Why is each useful?
- Plot component cross-coherence for pairs of ICs

### ALL (Time permitting)

- Create second dataset, epoched on object
- Examine ERP differences between the conditions using "Plot → Component ERPs → With component maps (compare)"
- For ICs most different between conditions, compare ERP Image, ERSP

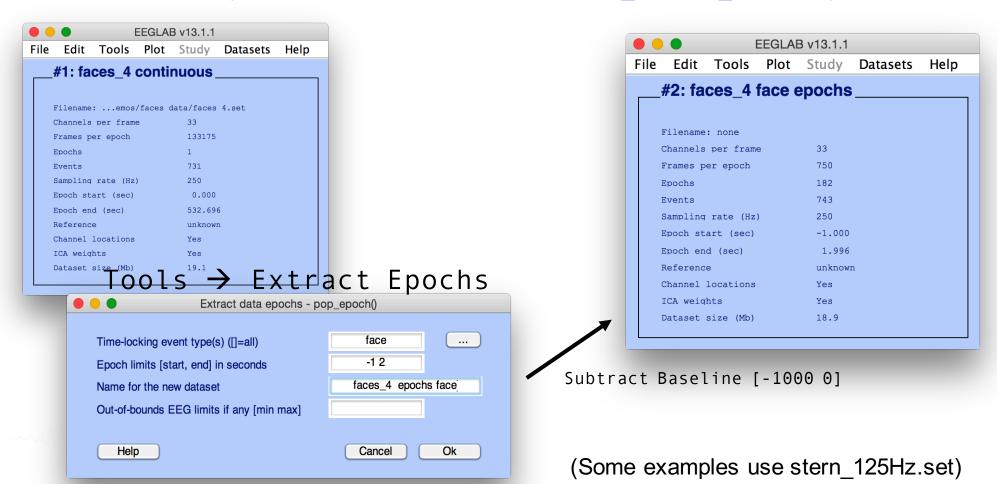
# (Example Datasets)



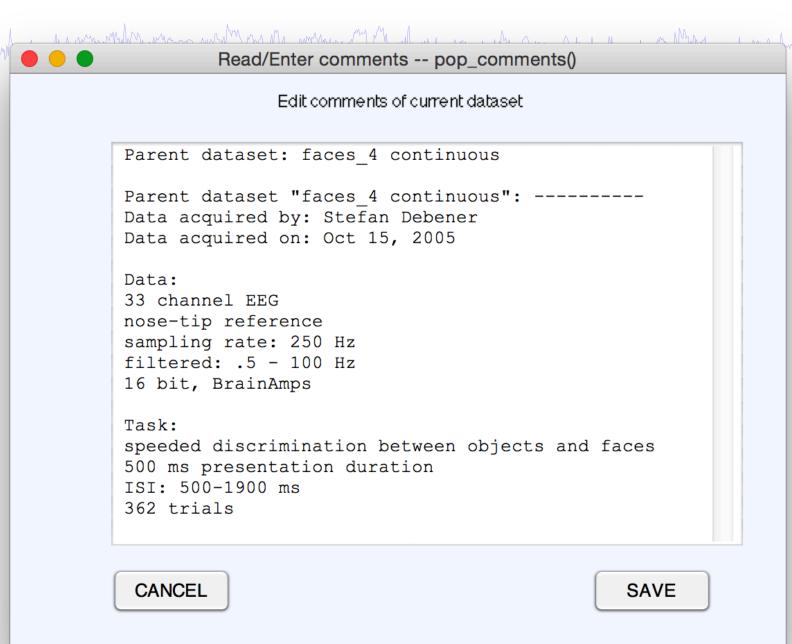


/faces continuous/faces\_4.set

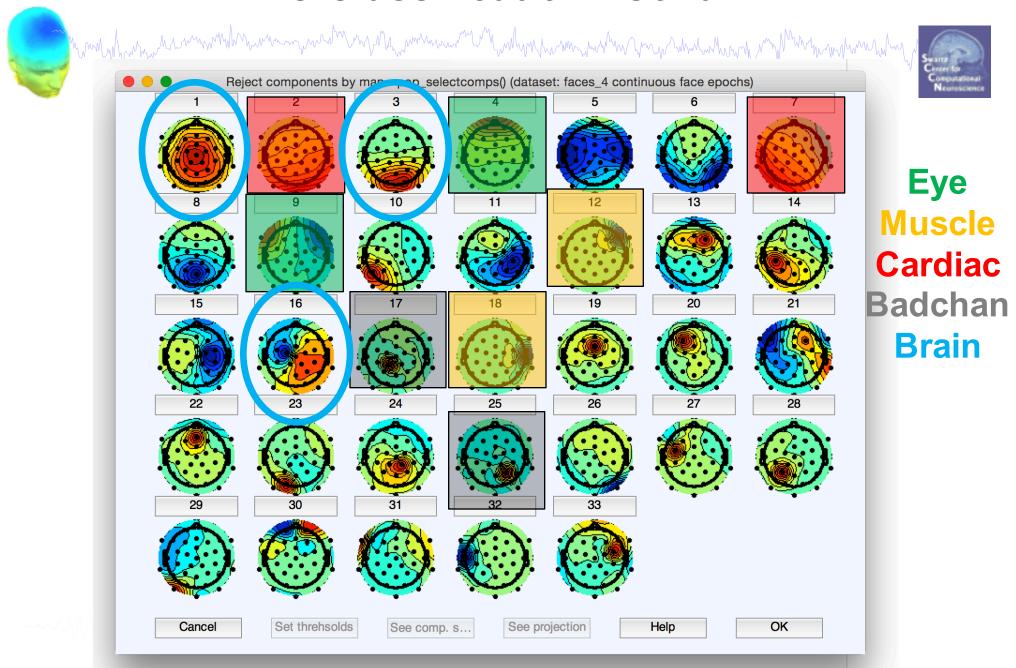
ftp://sccn.ucsd.edu/pub/julie/EEGLAB\_Workshop/FacesData.zip
Linked from: http://sccn.ucsd.edu/wiki/Online EEGLAB Workshop



## Edit → Dataset Info → Enter Comments



### IC Classification...so far



# Realigning Trials: Stimulus vs. Response

