Clustering STUDY ICs

Makoto Miyakoshi
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Load STUDY

![Dialog box for loading a STUDY file]

- **Look In**: STUDY
- **File Name**: stern.study
- **Files of Type**: (*.study)
Preclustering
Preclustering

Keep total dimensions < 20.
Clustering
Clustering

Do not make > 30 clusters.
Create an outlier cluster.
Plot all cluster-mean scalp maps
Poor replicatability
Load clustered STUDY
Check IC consistency in outlier

View and edit current component clusters -- pop_clustedit()

STUDY 'Sternberg' – 'Comparing conditions' component clusters

Select cluster to plot
- All cluster centroids
- Parentcluster 1 (311 ICs)
- outlier 2 (23 ICs)
- Cls 3 (24 ICs)

Select component(s) to plot
- All components
- S01 IC3
- S01 IC35
- S02 IC32

- Plot scalp maps
- Plot dipoles
- Plot ERPs
- Plot spectra
- Plot ERPimage
- Plot ERSPs
- Plot ITCs
- Plot cluster properties

- Stats
- Params

- Plot scalp map(s)
- Plot dipole(s)
- Plot ERP(s)
- Plot spectra
- Plot ERPimage(s)
- Plot ERSP(s)
- Plot ITC(s)

- Create new cluster
- Rename selected cluster
- Merge clusters

- Reassign selected component(s)
- Remove selected outlier comp.
- Auto-reject outlier components

- Plot Envtopo plugin (beta)

Help

Cancel  Ok
Find outliers within clusters

Smaller IC numbers = larger amplitude.

cluster-mean scalp maps

Outlier member ICs
Move S01 IC3 to Cls 10
Check dipole consistency after moving them.
Take home massages

• Keep total dimensions < 20.
• Do not make > 30 clusters.
• Create an outlier cluster.
• Strongly recommended scalp topography consistency check and manual cleaning.
• Smaller IC numbers = larger amplitudes.