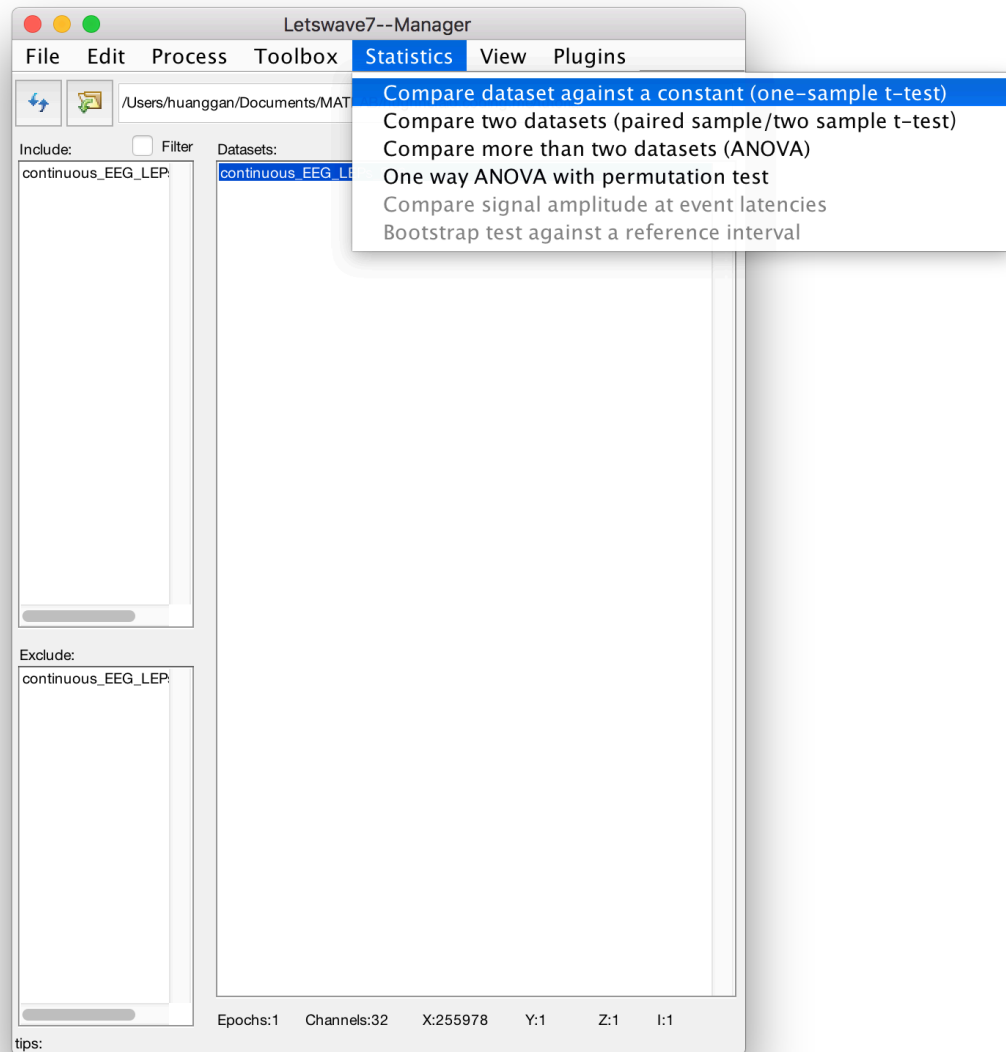


Step 1:

Open letswave, select the datasets for statistical analysis.

Here we select the a dataset in the example_data folder for one-sample.



Step 2:

Set the parameters for test. Enable the check box if you want to do cluster-based permutation test.

Enable the checkbox in the multiple sensory analysis panel for the permutation test in the temporal-spatial domain.

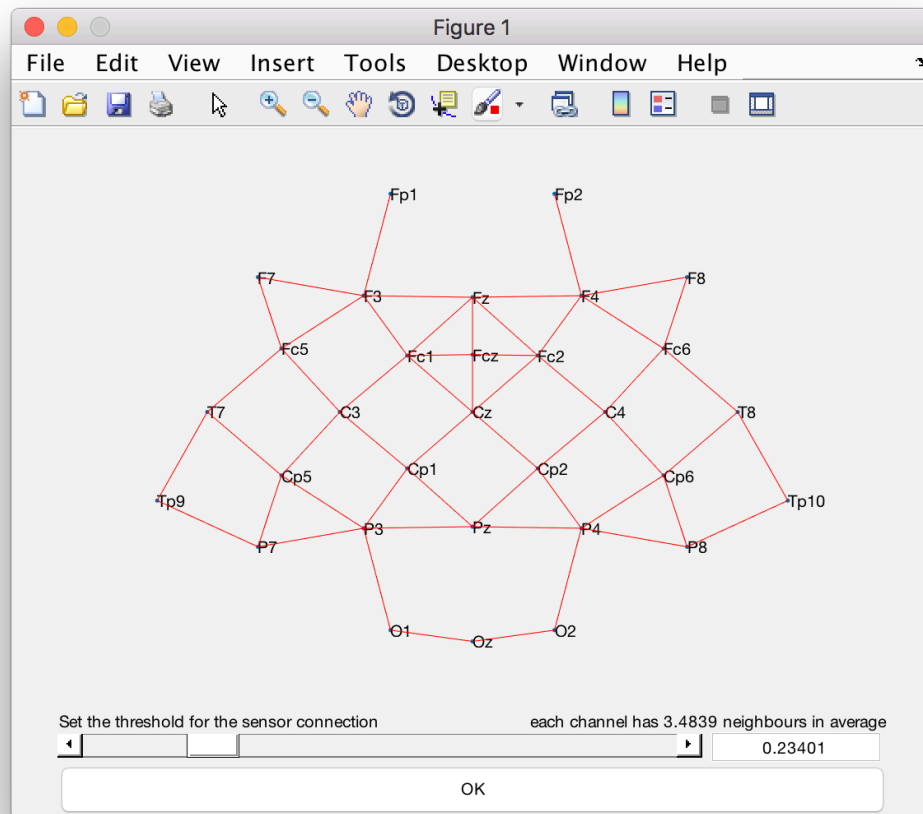
The screenshot shows the 'Letswave7--Batch' software window. The interface includes a menu bar (File, Edit, Process, Toolbox, Statistics, Plugins) and a toolbar with icons for file operations and execution. The main workspace displays the file path: /Users/huanggan/Documents/MATLAB/hughherald.coding.me/tutorial. On the left, there are buttons for 'load' and 'ttest'. The central panel contains the following settings:

- Type of alternative hypothesis:** two-tailed test (dropdown menu)
- Compare to constant:** 0 (text input)
- Alpha level:** 0.05 (text input)
- Cluster-Based Permutation Test:**
 - ☐ Enable (circled in red)
 - Cluster threshold: 0.05 (text input)
 - Number of permutation: 2000 (text input)
 - ☒ show progress (checkbox)
- multiple sensor analysis:**
 - ☐ Enable (circled in red)
 - connection threshold: 0 (text input)
 - Set Threshold (button)
- Script generation:**
 - Text area: =====FLW_ttest_constant=====
point by point one-sample t-test with cluster based permutation test.
 - prefix: ttest (text input)
 - ☒ save (checkbox)
 - Script (button)

A large 'Run' button is located at the bottom of the window.

Step 3:

Click the "Set Threshold" button, use the slider to set the threshold for the topological connection. Then press "OK" to return.



Step 4:

Press button "Run" to run the permutation test, or you can click the button "script" in the toolbar to see the script. Directly running the script in the command window or in the m-file equals to Press button "Run" in the GUI panel.

