Subjects-ROI Time Series:
200x278 matrix/subj

DATABASE
VAR

Functional Connectivity

Functional Connectivity
corrcoef()

times_series_corr_array
278x278xSUBS mat

HEATMAP

Fischer r to z
atanh()

functional_connect_array
278x278xSUBS mat

Spread matrix

clean_functional_connectivity
SUBSx38205 mat

Correlation FC vs. VAR

Pearson Correlation
corrcoef()

r_VAR_FC_correl
p_VAR_FC_correl

p_VAR_FC_correl

Recreate matrix

p_VAR_FC_square_matrix
r_VAR_FC_square_matrix
278x278 mat

HEATMAP

Threshold matrix (p<0.05)

uncorr_p_VAR_FC_square_matrix
278x278 mat

Correct for multiple testing
Bonferroni

Bonf_corr_p_VAR_FC_square_matrix
Bonf_corr_binary_matrix

HEATMAP

Display signifficant connections:
AAL_long_label
p_VAR_FC_square_matrix
r_VAR_FC_square_matrix

Correct for multiple testing
FDR - fdr_bh()

h
crit_p
adj_p

Recreate matrix

h_square_matrix
adj_p_square_matrix

Threshold matrix (p<0.05)

thresholded_adj_p_square_matrix

HEATMAP

Display signifficant connections:
AAL_long_label
adj_p_square_matrix

BPLS

Concatenate Variables

behavdata1

BPLS
pls_analysis()

res.perm_result.sprob

Select only significant Latent Variables

Display Confidence interval Results:
- res.boot_result.ulcorr
- res.boot_result.llcorr

Search for significant LV corralations
(dont include zero)

res.boot_result.compare_u

Recreate matrix

btr_square_matrix

Threshold matrix
BS > 3

thr_btr_square_matrix

HEATMAP
(for each LV)

Display labels BS >3:
(for each LV)
btr_anat_labels