

# Co-activation pattern toolbox

## 1. Data loading

**A. Load data** 295 frames x 210110 voxels (15)

TR [a]

Project title

Select save folder

**SAVE** **LOAD** **CLEAR**

## 2. Spatio-temporal selection

**B. Select seed file(s)** **Plot seed(s)** **Corr map**

Seed 1 Seed 2 Seed 3

X: -14.56 Z: 0.00 X: 0.00 Z: 0.00

Union

S1  S2  S3

Select time points

Frame sel. type  T  P

T [-]

FDlim [mm]

15 20 25 30

us ret. [%]

## 3. Generation of co-activation patterns

Best K = ?

Kmax

P [%]

N

Cluster

1 0.5 0 -0.5 -1

K

Kp [%]

Pn [%]

S1+S3 S1+S2+S3 S3 S1+S2 S2+S3 S2

436/978 44.58 [%]  
267/978 30.37 [%]  
245/978 25.05 [%]

Tv: 0.78

-1.5 -1 -0.5 0 0.5 1 1.5

X: -11.20 Y: -0.00 Z: 18.72

## 4. Assessment of CAP temporal dynamics

Compute metrics

60

Cumul. sum [-]

Time [s]

State 1

Population 1

Resilience [-]

kin [-]

kout [-]

Betweenness [-]

Subject 1

0 0.05 0.1 0.15

0 1 2

0 1 2

0 1 2

0 0.01 0.02 0.03