

# graspologic : network analysis in Python

[github.com/microsoft/graspologic](https://github.com/microsoft/graspologic)

downloads 163k

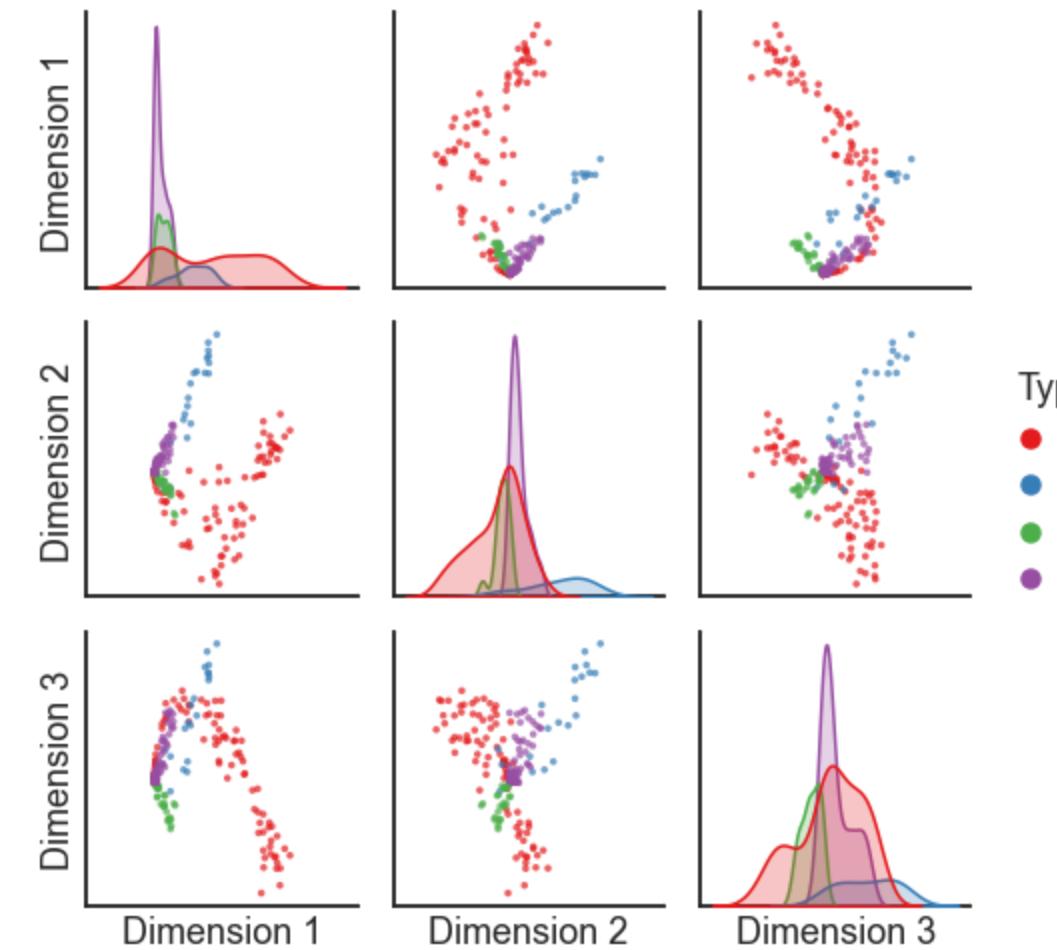
Stars 269

contributors 52

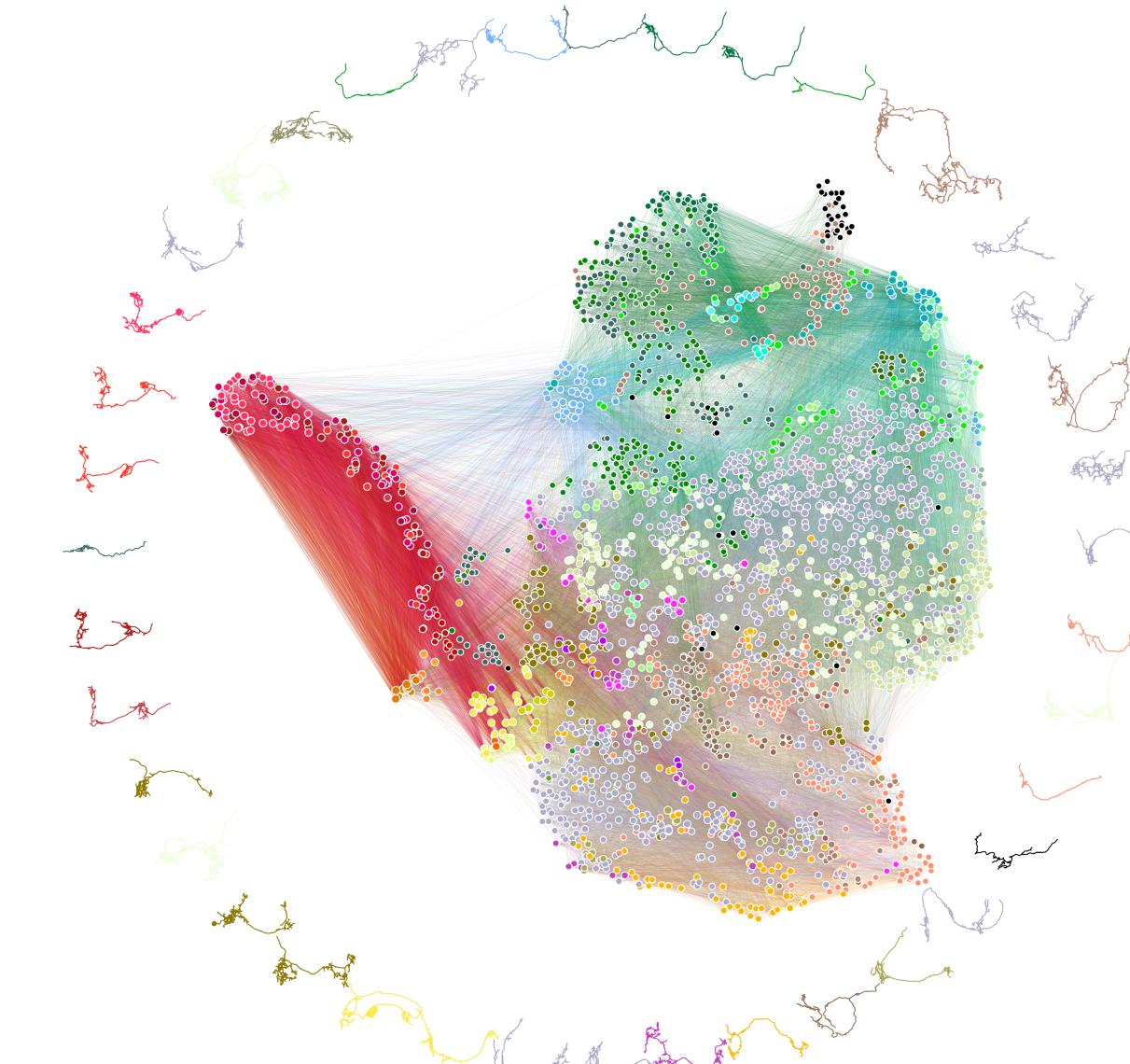
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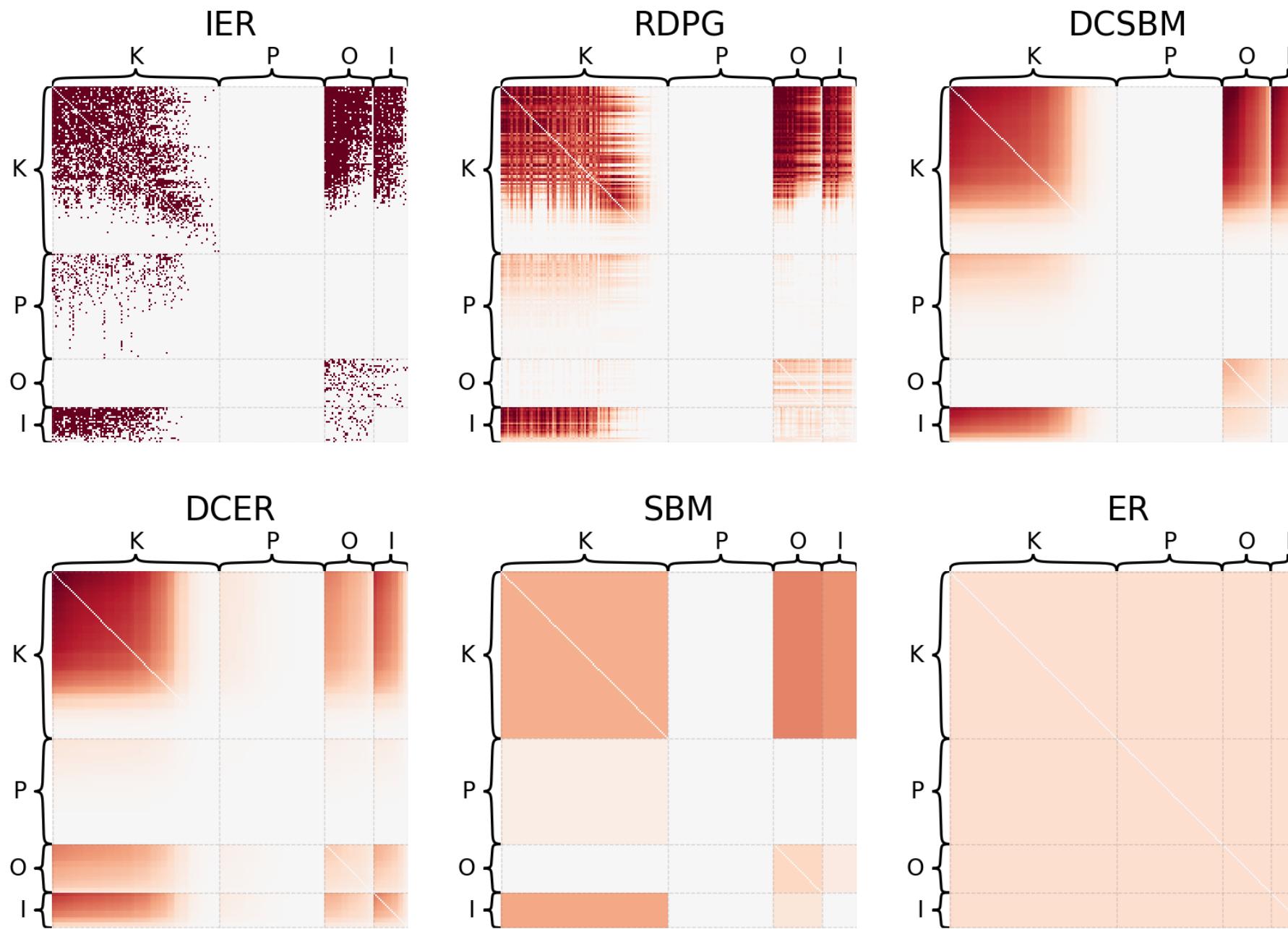
## Network dimensionality reduction



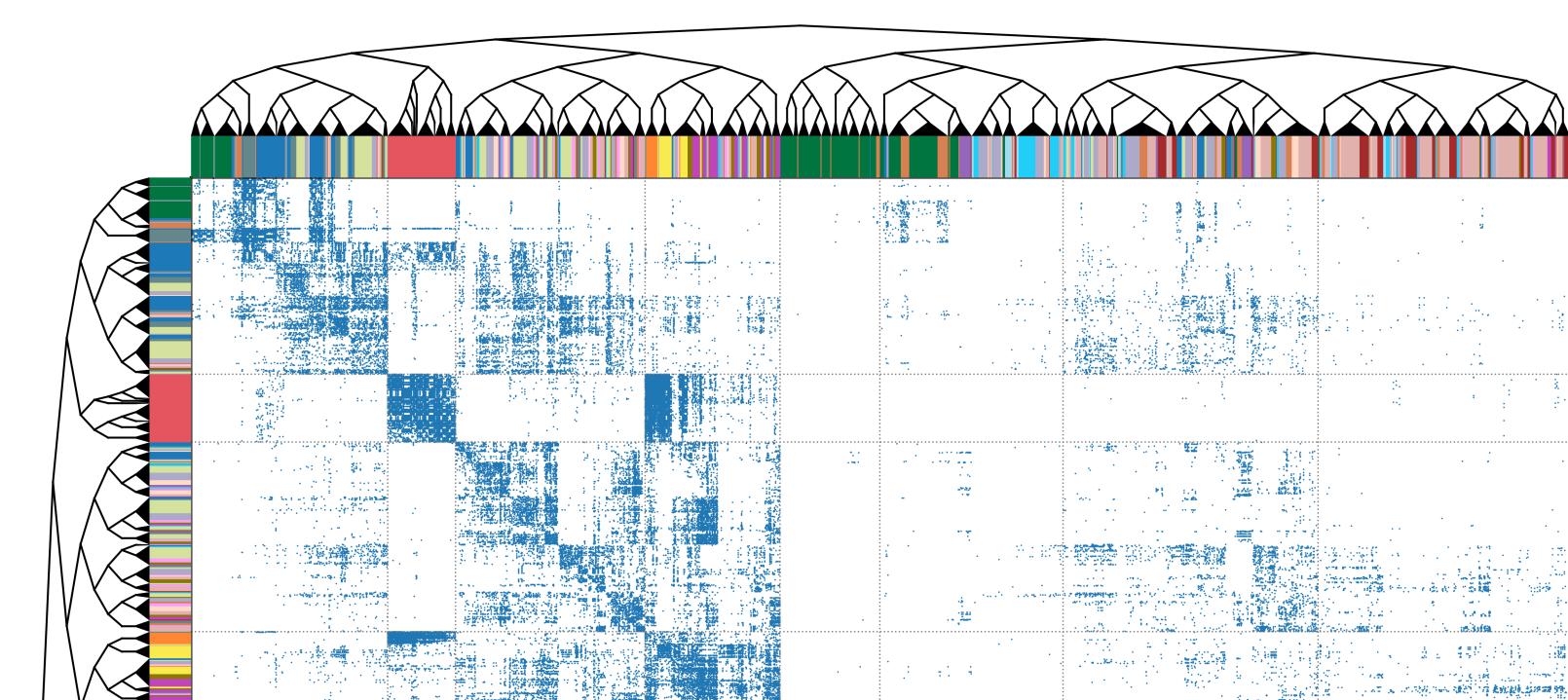
## Visualization



## Model estimation and sampling

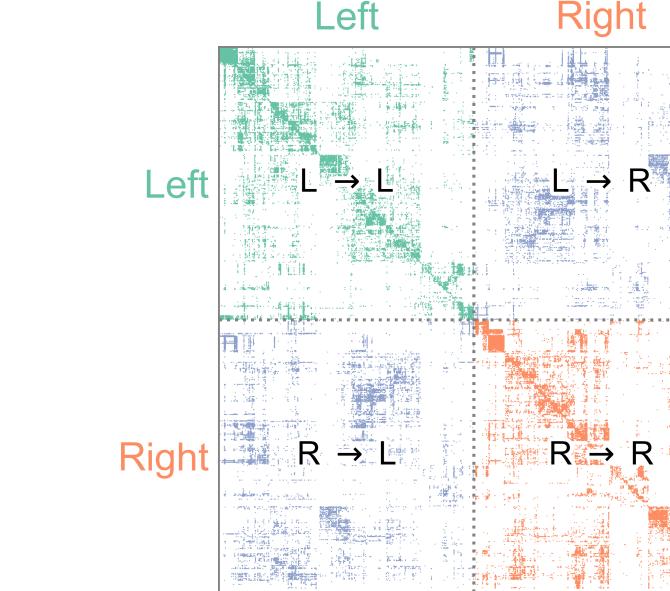


## Clustering

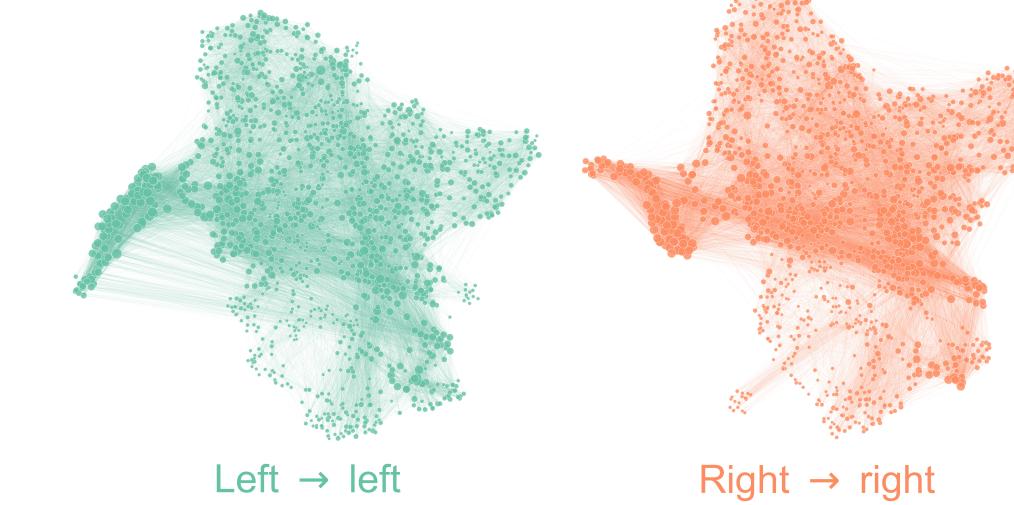


## Statistical testing

### A) Adjacency matrix



### B) Diagrams for ipsilateral networks



Are the **left** and **right** sides of this connectome **different**?

- $A^{(L)} \sim F^{(L)}$ ,  $A^{(R)} \sim F^{(R)}$
- $H_0 : F^{(L)} = F^{(R)}$ ;  $H_A : F^{(L)} \neq F^{(R)}$

## Graph matching

