Colored areas more likely to have link with the selected nodes (so this is not showing communities, but rather affinity map)
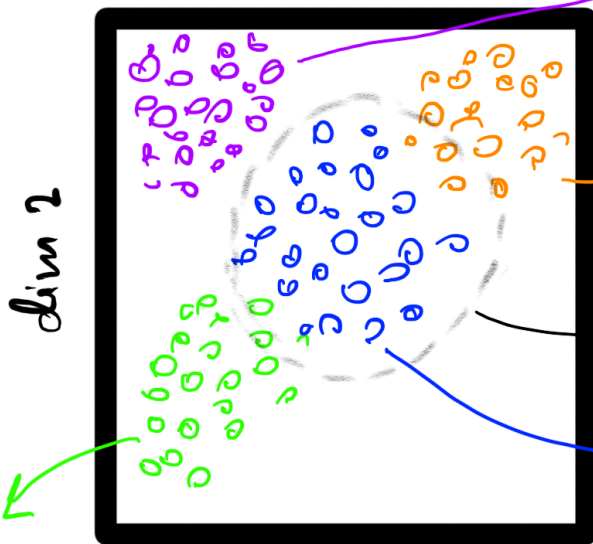
Affinity matrix

$$Y_{ij} := \sum_{k} \pi_{ik} \pi_{jk}$$

$$\begin{cases} \text{if } u \& v \text{ similar}: & \cos(Y_u, Y_v) \to 1 \\ \text{if } u \& v \text{ not similar}; & \cos(Y_u, Y_v) \to 0 \end{cases}$$

t-SNE embedding of Y

→ Mostly subcortex (+ insula ?)

→ Visual + SC + some Cerebellum   [unimodal]

→ High entropy area

→ DMN, dorsal attention association areas   [transmodal]

dim 2

dim 1 (or gradient 1)

Sensorimotor [unimodal]

3D scatter plot :

Entropy

dim 2

dim 1

Observation : unimodal : low ent at corners ; transmodal : high ent center