

Cognitive Interpretation

Stage 1 interpretation of results

progress till now

1. Arranged the regions in their anatomical order and learnt the β matrices.
2. β matrices need more understanding of 'scale' of diffusion, and asymmetry of β 's is tricky to interpret.

progress contd.

1. instead of training with $\text{abs}(\text{FC})$, FC is normalized to $[0, 1]$. i.e. $[-1, 1] \rightarrow [0, 1]$.
2. This has improved the training accuracy and brought the pearson correlation range to $[0.8, 0.92]$!

progress contd.

1. Therefore, FCs at all scales are separated.
2. Grouping the regions based on the known networks.
3. eg. DMN network seems to show in large scale FC.
(according to expectations.)
4. general observation is: networks like DMN, attention n/w etc seem to come in large scales, and smaller networks are appearing in small scales.
5. (to find which n/ws are in which scale).

figure showing FCs with SC and FC

