In-class exercise

Due on 4pm Oct 7, 2021

Data description:

1) subject\_data.mat contains 113x113x9x202, represents

202 subjects’ 9 networks, each network dimension is 113x113

These 9 networks were created using different methods from diffusion MRI data, and in theory they should be pretty consistent since they are from the same subject, however, if you visualize them, you will see the differences.

2) Subj\_information\_4\_students.xlsx contains

Subject age, sex, and group information

Extract brain network features (select any five measures/features from BCT website), and compare whether 9 networks have any significant differences?