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

Group Project 1: (four weeks)

Classify four groups using multi-view brain graph data

Use 10-fold cross validation (85% for training, and 15% for testing) to do the classification for Status 1 vs. 2, Status 2 vs. 3 and Status 3 vs. 4

Requirements

1) Compare with at least one baseline method and report the comparison p value.

2) Report true positive rate (TPR) and false positive rate (FPR).

TPR is the proportion of positive samples correctly identified as positive and FPR is the proportion of negative samples correctly identified as negative

3) The final report must contain

(1) your method description

(2) baseline method description

(3) result(s)