Project Progress
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Progress

- Converted the data into similarity matrices and scored the similarity matrices based on entropy.
- Performed SNF on the chosen similarity matrices.
- Data mining (Data processing in progress)
  - Drug gene interaction database: DGIdb
  - Disease gene interaction database: CTD database
  - PPI network: HumanNet
- Implemented the network similarity score module

Results

Reported values for 10 fold cross validation
Test accuracy: 0.796
F1: 0.800
Recall: 0.816
MCC: 0.593
AUC−ROC: 0.867

Our code 10 fold

Test accuracy: 0.82
F1-score: 0.72
Recall: 0.64
MCC: 0.60
AUC-ROC: 0.85

Our code after similarity selection

Test accuracy: 0.83
F1-score: 0.75
Recall: 0.72
MCC: 0.62
AUC-ROC: 0.85