**Meeting agenda.**

Discussed work progress and plans and added an additional meeting next Wednesday.

**Progress made in the past week.**

**Issues/Questions and Comments**

**Ongoing tasks that cover more than a week**

Converting MBIL java to MBIL python package.

**Specific tasks for the coming week**

Continue to finish coding for information gain part. Expect to finish before next Wednesday and plan on doing a test with Dr. Jiang on an additional meeting next Wednesday.

Finished

**Result from Python**

score

the null score is -3.8430301339411947

[{'[]': -3.8430301339411947},

{"['B']": -3.5835189384561104,

"['C']": -4.276666119016055,

"['D']": -4.025351690735145},

{"['B', 'C']": -3.753417975251508,

"['B', 'D']": -4.382026634673884,

"['C', 'D']": -4.382026634673884},

{"['B', 'C', 'D']": -4.852030263919614}]

Information gain

[{'[]': 1},

{"['B']": 0.4199730940219749,

"['C']": 0.01997309402197498,

"['D']": 0.4199730940219749},

{"['B', 'C']": 0.5709505944546684,

"['B', 'D']": 0.4199730940219749,

"['C', 'D']": 0.5709505944546684}

{"['B', 'C', 'D']": 0.5709505944546684}]

**Result from Java**

maxSetLength: 3

Maximum Numbers Interactions Reported: 20

Class Name: E

threshold: 0.05

Current dataset path: C:\Users\CHX37\PycharmProjects\TEST.txt

Predictor labels after data are processed [Ljava.lang.String;@548a9f61

Number Of Predictors: 3

Number Of Records: 5

Null Score: -3.8430301339411956

Now printing the score of each of the single predictor models:

Feature 0: B scored: -3.58351893845611

Feature 1: C scored: -4.276666119016055

Feature 2: D scored: -4.025351690735149

Top 20 features: [0]

Time taken IGain: -1.652816317972E9

Now printing interactions and their scores learned by IGain

[0, 1];-3.7534179752515073

[1, 2];-4.382026634673882

Now printing interactions and their Interaction Strength learned by IGain

[1, 2];0.22944963659394155

[0, 1];0.22944963659394155

Now printing IGain Score of a model learned by IGain

[0, 1, 2];0.5709505944546684

[2];0.4199730940219749

[1];0.01997309402197498

[1, 2];0.5709505944546684

[0, 1];0.5709505944546684

[0];0.4199730940219749

[0, 2];0.4199730940219749

Time taken by transformation: -1.652816318003E9

Top Features after transformation: [0, 3, 4]

Parent Nodes Indices Identified: [0]

Parent Nodes Names Identified: [0]

B

True Parents Identified:

[B]

Retracted Parent Nodes Indices:

[0]

Retracted Parent Nodes Names:

[B]

**Less urgent tasks**