# IBM

jpetstore

| | BCP [-] | ICP [-] | SM [+] | MQ [+] | IFN [-] | |
|---|---|---|---|---|---|---|
| **Bunch** | 2.43 | 0.48 | 0.21 | 7.95 | 2.64 | |
| **mono2micro** | 1.67 | 0.53 | 0.05 | 3.29 | 3.77 | |
| **CO-GCN** | 2.79 | 0.15 | 0.19 | 3.9 | 1.8 | |
| **FoSCI*** | 2.04 | 0.57 | 0.07 | 3.63 | 3.67 | |
| **MEM** | 2.74 | 0.48 | 0.22 | 4.56 | 4 | |
| **Us** | **1.31** | **0** | **0.03** | **1** | **0** | |

acmeair

| | BCP [-] | ICP [-] | SM [+] | MQ [+] | IFN [-] | Notes |
|---|---|---|---|---|---|---|
| **Bunch** | 1.75 | 0.51 | 0.17 | 4.71 | 3.88 | |
| **mono2micro** | 1.04 | 0.59 | 0.1 | 3.44 | 3.3 | |
| **CO-GCN** | 1.31 | 0 | 0.03 | 1 | 0 | |
| **FoSCI** | 2.04 | 0.57 | 0.07 | 3.63 | 3.67 | |
| **MEM** | 2.13 | 0.69 | 0.03 | 2.58 | 4 | |
| **Us** | 1.87 | **0.02** | **0.27** | 1.65 | 1 | 2nd best in one metric |

plants

| | BCP [-] | ICP [-] | SM [+] | MQ [+] | IFN [-] | Notes |
|---|---|---|---|---|---|---|
| **Bunch** | 1.75 | 0.51 | 0.17 | 4.71 | 3.88 | |
| **mono2micro** | 1.73 | 0.63 | 0.10 | 2.75 | 5.1 | |
| **CO-GCN** | 1.87 | 0.02 | 0.27 | 1.65 | 1 | |
| **FoSCI** | 2.04 | 0.57 | 0.07 | 3.63 | 3.67 | |
| **MEM** | 2.04 | 0.42 | 0.25 | 2.83 | 5 | |
| **Us** | **1.53** | **0.03** | 0.17 | 4.37 | 1.2 | 2nd best in 3 metrics |

daytrader

| | BCP [-] | ICP [-] | SM [+] | MQ [+] | IFN [-] | Notes |
|---|---|---|---|---|---|---|
| **Bunch** | 1.75 | 0.51 | 0.17 | 4.71 | 3.88 | |
| **mono2micro** | 1.4 | 0.47 | 0.07 | 5.52 | 6.13 | |
| **CO-GCN** | 2.18 | 0.01 | 0.11 | 3.99 | 0.5 | |
| **FoSCI** | 2.04 | 0.57 | 0.07 | 3.63 | 3.67 | |
| **MEM** | 2 | 0.59 | 0.09 | 4.73 | 4.5 | |
| **Us** | 2.35 | **0.03** | **0.26** | 2.98 | 0.67 | 2nd best in 1 metric |

## Method

- **Stand of the shoulders of giants.**
  - Start from CO-GCN
- **Learn from the data.**
  - Look at the data to calculate weights for the loss function
- **Build on prior work.**
  - Instead of k-means, use spectral clustering
  - Instead of exponential LR policy, use 1cycle (from DL literature)

# DoR

## Progress

- Did one work packet, reviewed one
- Implemented Kappa statistics

- Discussion with Ben

# Adelaide

## (Lack of) progress

- Haven't heard back yet about preprocessing code
- Running ~1 week late, will need to reduce scope of paper