AML general parameters

2 parties

const *HOSTS* = 2  
const *NBR\_LOCAL\_ITER* = 1  
const *NBR\_EPOCHS* = 8  
const *KFOLDS* = 1

const *NCELLS* = 200  
const *NFEATURES* = 16  
const *NSAMPLES* = 1490  
const *NSAMPLES\_DIST* = 800  
const *NCLASSES* = 3  
const *NFILTERS* = 7  
const *DATA\_FOLDER* = "../../data/cellCNN/originalAML/"  
const *SPLIT\_DATA\_FOLDER* = "../../data/cellCNN/split/"  
const *ApproxInterval* = 8.  
const *testAllCell* = 12440  
const *BATCH\_SIZE* = 50  
const *LEARN\_RATE* = 0.01  
const *MOMENTUM* = 0.9  
const *MICRO* = true

micro:

nn\_utils.go:132 (decentralized.RunCnnClearTest) - 100 100 100 100

2 : cnn\_utils.go:154 (decentralized.RunCnnClearTest) - All test data results:

2 : cnn\_utils.go:155 (decentralized.RunCnnClearTest) - accuracy: 100.00

2 : cnn\_utils.go:156 (decentralized.RunCnnClearTest) - precision: 100.00

2 : cnn\_utils.go:157 (decentralized.RunCnnClearTest) - recall: 100.00

2 : cnn\_utils.go:158 (decentralized.RunCnnClearTest) - fscore: 100.00

2 : cnn\_utils.go:160 (decentralized.RunCnnClearTest) - Multi-cell test data results:

2 : cnn\_utils.go:162 (decentralized.RunCnnClearTest) - accuracy: 99.33

2 : cnn\_utils.go:163 (decentralized.RunCnnClearTest) - precision: 99.33

2 : cnn\_utils.go:164 (decentralized.RunCnnClearTest) - recall: 99.33

2 : cnn\_utils.go:165 (decentralized.RunCnnClearTest) - fscore: 99.33

Macro:

2 : cnn\_utils.go:154 (decentralized.RunCnnClearTest) - All test data results:

2 : cnn\_utils.go:155 (decentralized.RunCnnClearTest) - accuracy: 100.00

2 : cnn\_utils.go:156 (decentralized.RunCnnClearTest) - precision: 100.00

2 : cnn\_utils.go:157 (decentralized.RunCnnClearTest) - recall: 100.00

2 : cnn\_utils.go:158 (decentralized.RunCnnClearTest) - fscore: 100.00

2 : cnn\_utils.go:160 (decentralized.RunCnnClearTest) - Multi-cell test data results:

2 : cnn\_utils.go:162 (decentralized.RunCnnClearTest) - accuracy: 99.33

2 : cnn\_utils.go:163 (decentralized.RunCnnClearTest) - precision: 99.34

2 : cnn\_utils.go:164 (decentralized.RunCnnClearTest) - recall: 99.33

2 : cnn\_utils.go:165 (decentralized.RunCnnClearTest) - fscore: 99.34

3 parties

// cellCNN parameters  
const *NCELLS* = 200  
const *NFEATURES* = 16  
const *NSAMPLES* = 1490  
const *NSAMPLES\_DIST* = 500  
const *NCLASSES* = 3  
const *NFILTERS* = 7  
const *DATA\_FOLDER* = "../../data/cellCNN/originalAML/"  
const *SPLIT\_DATA\_FOLDER* = "../../data/cellCNN/split/"  
const *ApproxInterval* = 8.  
const *testAllCell* = 12440  
const *BATCH\_SIZE* = 50  
const *LEARN\_RATE* = 0.009  
const *MOMENTUM* = 0.9  
const *MICRO* = true

const *HOSTS* = 3  
const *NBR\_LOCAL\_ITER* = 1  
const *NBR\_EPOCHS* = 8  
const *KFOLDS* = 1

Macro:

2 : cnn\_utils.go:154 (decentralized.RunCnnClearTest) - All test data results:

2 : cnn\_utils.go:155 (decentralized.RunCnnClearTest) - accuracy: 100.00

2 : cnn\_utils.go:156 (decentralized.RunCnnClearTest) - precision: 100.00

2 : cnn\_utils.go:157 (decentralized.RunCnnClearTest) - recall: 100.00

2 : cnn\_utils.go:158 (decentralized.RunCnnClearTest) - fscore: 100.00

2 : cnn\_utils.go:160 (decentralized.RunCnnClearTest) - Multi-cell test data results:

2 : cnn\_utils.go:162 (decentralized.RunCnnClearTest) - accuracy: 92.62

2 : cnn\_utils.go:163 (decentralized.RunCnnClearTest) - precision: 93.97

2 : cnn\_utils.go:164 (decentralized.RunCnnClearTest) - recall: 92.59

2 : cnn\_utils.go:165 (decentralized.RunCnnClearTest) - fscore: 93.28

4 parties

const *HOSTS* = 4  
const *NBR\_LOCAL\_ITER* = 1  
const *NBR\_EPOCHS* = 8  
const *KFOLDS* = 1

// cellCNN parameters  
const *NCELLS* = 200  
const *NFEATURES* = 16  
const *NSAMPLES* = 1490  
const *NSAMPLES\_DIST* = 700  
const *NCLASSES* = 3  
const *NFILTERS* = 7  
const *DATA\_FOLDER* = "../../data/cellCNN/originalAML/"  
const *SPLIT\_DATA\_FOLDER* = "../../data/cellCNN/split/"  
const *ApproxInterval* = 8.  
const *testAllCell* = 12440  
const *BATCH\_SIZE* = 50  
const *LEARN\_RATE* = 0.0007  
const *MOMENTUM* = 0.6  
const *MICRO* = true

Micro:

2 : cnn\_utils.go:154 (decentralized.RunCnnClearTest) - All test data results:

2 : cnn\_utils.go:155 (decentralized.RunCnnClearTest) - accuracy: 66.67

2 : cnn\_utils.go:156 (decentralized.RunCnnClearTest) - precision: 66.67

2 : cnn\_utils.go:157 (decentralized.RunCnnClearTest) - recall: 66.67

2 : cnn\_utils.go:158 (decentralized.RunCnnClearTest) - fscore: 66.67

2 : cnn\_utils.go:160 (decentralized.RunCnnClearTest) - Multi-cell test data results:

2 : cnn\_utils.go:162 (decentralized.RunCnnClearTest) - accuracy: 50.00

2 : cnn\_utils.go:163 (decentralized.RunCnnClearTest) - precision: 50.00

2 : cnn\_utils.go:164 (decentralized.RunCnnClearTest) - recall: 50.00

2 : cnn\_utils.go:165 (decentralized.RunCnnClearTest) - fscore: 50.00

Macro:

2 : cnn\_utils.go:155 (decentralized.RunCnnClearTest) - accuracy: 66.67

2 : cnn\_utils.go:156 (decentralized.RunCnnClearTest) - precision: 58.33

2 : cnn\_utils.go:157 (decentralized.RunCnnClearTest) - recall: 50.00

2 : cnn\_utils.go:158 (decentralized.RunCnnClearTest) - fscore: 53.85

2 : cnn\_utils.go:160 (decentralized.RunCnnClearTest) - Multi-cell test data results:

2 : cnn\_utils.go:162 (decentralized.RunCnnClearTest) - accuracy: 50.13

2 : cnn\_utils.go:163 (decentralized.RunCnnClearTest) - precision: 48.92

2 : cnn\_utils.go:164 (decentralized.RunCnnClearTest) - recall: 50.17

2 : cnn\_utils.go:165 (decentralized.RunCnnClearTest) - fscore: 49.54