Weight Decay Tests

* Notes:
  + Loss/Accuracy plots are of S1D1O1 simulations only; correlation plots are based on aggregated data from S1D1O1 and S2D1O1 simulations
  + Learning rate is 0.0001 for epochs 1-10 for all tests, the listed learning rates below are for after epoch 10 (weight decay is same for all epochs as given)

# Test 1

* SGD with no momentum, lr=0.0001, wd = 0.01, 1500 epochs

Chart

Description automatically generatedChart

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# Test 2

* SGD with no momentum, lr=0.0001, wd = 0.1, 1500 epochs

Chart

Description automatically generatedChart

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# Test 3

* SGD with no momentum, lr=0.0001, wd = 1, 1500 epochs

Chart

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# Test 4

* SGD with no momentum, lr=0.0001, wd = 10, 1500 epochs

Chart, histogram

Description automatically generatedChart

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# Test 5

* SGD with no momentum, lr=0.0001, wd = 100, 1500 epochs

Chart

Description automatically generatedChart

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# Test 6

* SGD with no momentum, lr=0.001, wd = 0.01, 1500 epochs

Chart, histogram

Description automatically generatedChart

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# Test 7

* SGD with no momentum, lr=0.001, wd = 0.1, 1500 epochs

Chart, histogram

Description automatically generatedChart

Description automatically generatedChart, line chart

Description automatically generated

# Test 8

* SGD with no momentum, lr=0.001, wd = 1, 1500 epochs

Chart, histogram

Description automatically generatedChart

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# Test 9

* SGD with no momentum, lr=0.001, wd = 10, 1500 epochs

Chart, histogram

Description automatically generatedChart

Description automatically generated

A picture containing chart

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