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Last Meeting Discussion

- Currently two main different method 2s (How to compare results from new methods?)
 - 1. Resetting weights after each replica (pure bootstrapping)
 - 2. Resetting weights after each set (Nick's method 2)



Baseline

Constants:

- Epochs: 2500
- Replicas: 300
- Hidden Layer Neurons: 20
- Batch Size: 32
- Structure
- Loss Function

Way to Combine Methods?

- Why is pure bootstrapping yield not as accurate
- Analogous to try and training a newbie on hitting bullseyes and then doing that over again for each new replica
- What if we start training someone who is already somewhat experienced so doesn't take as long to train but still maintains the spirit of bootstrapping?



Experiment

- Get random weights
- Train them a bit on the input data • 30 iterations/samples of 2500 epochs
- Save those weights as the starting weights
- Do bootstrapping with those weights (resetting weights after each replica)

Saves a lot of computation time as each replica doesn't need 2500 epochs and still gets good accuracy with lower deviation

