

Classification:
MNIST



Regression

NNs with a single Hidden Layer

100 hidden
neurons

+ L2 Regul.

50 hidden
neurons

Human Error?

Around 0%

↕ Avoidable Bias

Error on Training Set

2 %

1 %

3 %

↕ Variance

Overfitting!

Error on Dev/Test Set

17 %

14 %

13 %