Comparing to human-level performance

Surpassing human-level performance

deeplearning.ai

Surpassing human-level performance

Team of humans   0.5%

One human   ~~1%~~
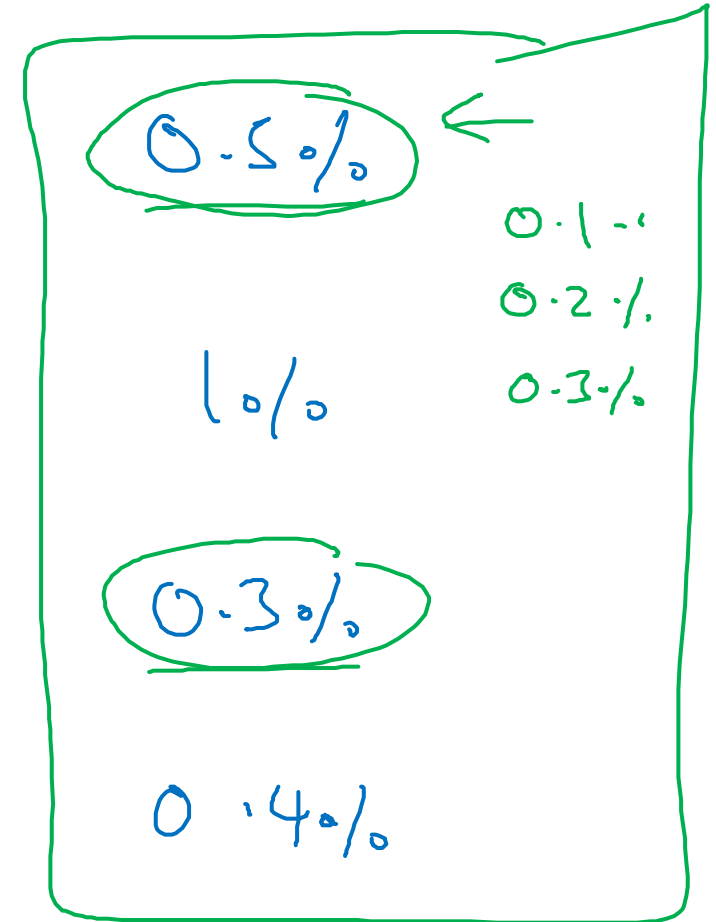
0.1

Training error   0.6%

0.2

Dev error   0.8%

What is avoidable bias?

0.5%

0.1%
0.2%
0.3%

1%

0.3%

0.4%

Problems where ML significantly surpasses human-level performance

→ - Online advertising

→ - Product recommendations

→ - Logistics (predicting transit time)

→ - Loan approvals

Structured data

Not natural perception

Lots of data

- Speech recognition
- Some image recognition
- Medical
  - ECG, Skin cancer, ...

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