Digit recognition and adversarial examples

## Digit recognition and adversarial examples

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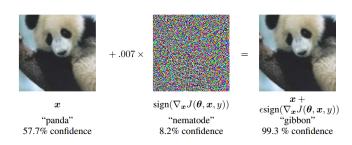
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## Digit recognition

- ► Method: deep convolution network
- MNIST-Dataset
- ▶ 28000 images: 28px × 28px

## Adversarial examples

lacktriangle Small pertubations ightarrow false classification



► From Goodfellow et al. 2015

## Further ideas

- improve network by training with the perturbed images
  - improved kaggle score?
- compare different datasets
- compare robustness of different networks