Highlights of NIPS 2016

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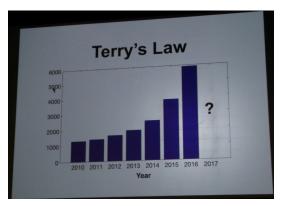






Neural Information Processing Systems

- ► Largest International Conference on Machine Learning.
- Held since 1987 and initially focused on Neural Network research.

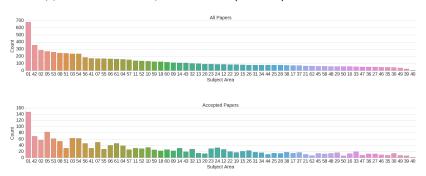


Terry's Law on NIPS Participants ¹

¹Proposed by Terrence Sejnowski, NIPS 2016 Chair

NIPS 2016: Topics Convered

- ▶ 568 Papers (46 oral) accepted among 2400 papers with 6 reviewers per submission.
- ► Most popular topics were Deep Learning (1 in 4) with application to Computer Vision (1 in 10).



Long-tailed Distribution of Topics ¹

¹NIPS 2016 Review Process

NIPS 2016: Impressions

Generative Adversarial Networks: Overview

GAN: Tutorials

GAN: Applications

Bayesian Deep Learning

Deep Learning and Graphical Models

Dropout as a Bayesian Approximation

Deep Reinforcement Learning: Tutorials

Deep Reinforcement Learning: Workshop

Value Iteration Networks

Recurrent Neural Networks: Overview

RNN: Symposia

RNN: Applications

Learning to learn: Meta-learning

One-shot Learning

Neural Turing Machines: Overview

NTM: Applications

Nuts and Bolts of ML

General AI: Unsupervised Learning

Boston Robotics Demo

Efficient seeding for K-Means

RocketAI: The AI Bubble

Sightseeing in Barcelona

Thank you!

Questions or Comments?