# In Search of Logic

## FRIDAY, FEBRUARY 7, 2014

# DeepMind Papers

There has been a lot of talk about Google's acquisition of DeepMind. I won't try to review the facts for those who don't know about it -- there's got to be about 100 roughly identical news articles you can find. What those news articles only rarely include is a link to DeepMind's research publications; and as far as I've seen, only to the paper on playing Atari games using model-free RL. (Maybe it's the most public-friendly.) Before the news broke, I didn't even know that DeepMind was putting out any information on what they were doing; their very blank company website made me think they were being hushhush.

So. For the curious, here are all the papers I could find which include at least one author @deepmind.com:

Deep Autoregressive Networks

Playing Atari with Deep Reinforcement Learning

Neural Variational Inference and Learning in Belief Networks

Unit Tests for Stochastic Optimization

An Approximation of the Universal Intelligence Measure

Stochastic Back-Propagation and Variational Inference in Deep Latent Gaussian Models

Unsupervised Feature Learning by Deep Sparse Coding

**Deterministic Policy Gradient Algorithms** 

Bayesian Hierarchical Community Discovery

Posted by Abram Demski at 5:46 PM

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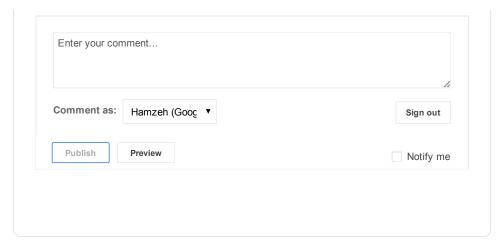






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