

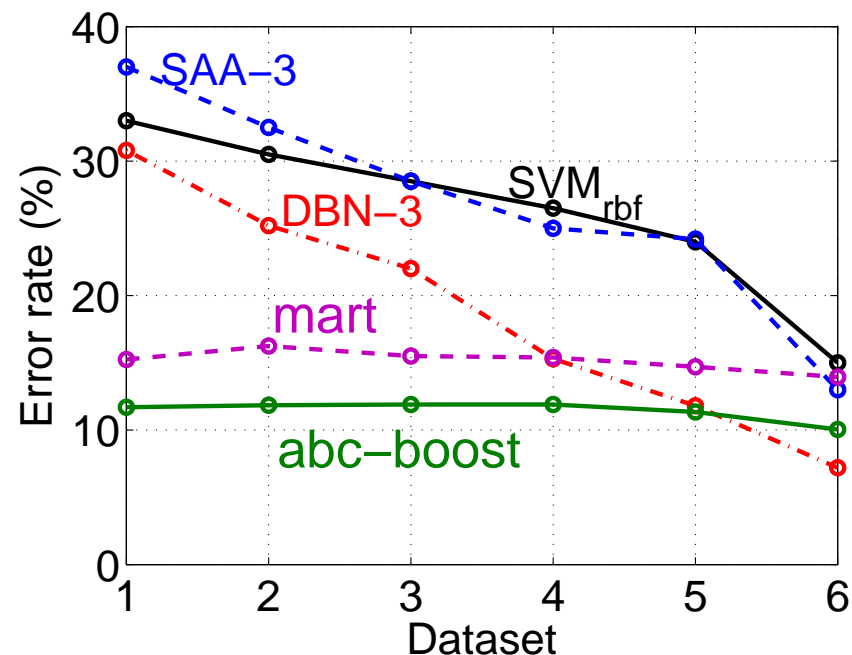
## Brief Bio of Ping Li, Cornell University

- **Current Position:** 2007 - Present, Assistant Professor, Faculty of Computing and Information Science (CIS), Department of Statistical Science.
- **Education:** Ph.D. in Statistics (Stanford) and M.S. in CS (Stanford)
- **Past Experience:** 2004 - 2006, Summer Research Interns in Microsoft Research. 2003, Summer Software Engineer in Microsoft. 2002 Summer Software Engineer in Realnetworks. 2000 - 2003, Stanford 3D Imaging Lab
- **Awards:** 2009 Office of Naval Research (ONR) Young Investigator Award. Research Awards from Google and Microsoft.
- **Research:** Machine Learning, Information Retrieval, Massive Datasets

## Research in Tree-Based Boosting Algorithms: **ABC-Boost**

**ABC-Boost**: Adaptive Base Class Boost for Multi-Class Classification

Error rates (smaller the better) comparisons with SVM, Deep Learning (DBN-3), and Prof. Friedman's MART algorithms, on 6 datasets used by Deep Learning Community. Results for Deep Learning and SVM were from prior publications.



## Techniques for Processing Massive Datasets

- About 20 publications in e.g., KDD, NIPS, COLT, UAI, SODA.
- Research Highlight Article in Communications of ACM (To Appear)  
**Theory and Applications of b-Bit Minwise Hashing**, with Christian König
- Multiple categories of algorithms (for different data)
  - **Random Projections**, to shrink massive data matrix
  - **Compressed Counting**, to estimate moments and entropy of data streams.
  - **Conditional Random Sampling**, to sample effectively from sparse data
  - **b-Bit Minwise Hashing**, most recent development for binary (text) data.

## Contact Information of Ping Li

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