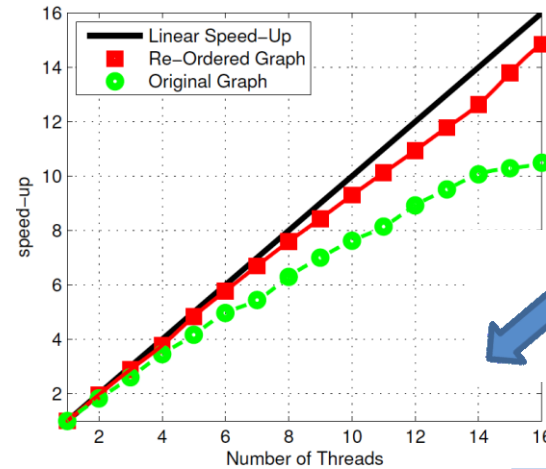


# Entropic Graph Regularization in Non-Parametric Semi-Supervised Classification

*Amar Subramanya & Jeff Bilmes*

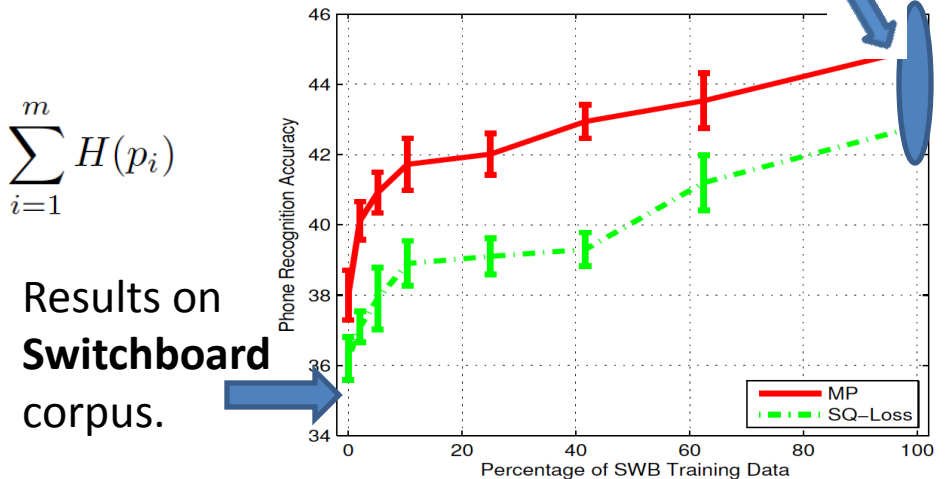
- A **convex** graph-based semi-supervised learning algorithm based on minimizing **Kullback-Leibler (KL) divergence**.
- **Scaling** graph-based semi-supervised learning to very large practical problems.
- Prove certain **convergence properties** of the algorithm.
- Solved using **Alternating-Minimization**.

- Much improved **results** on practical datasets such as **TIMIT** and **Switchboard**.



Multi-threaded speed-up results.

120 Millions Samples.



Results on Switchboard corpus.