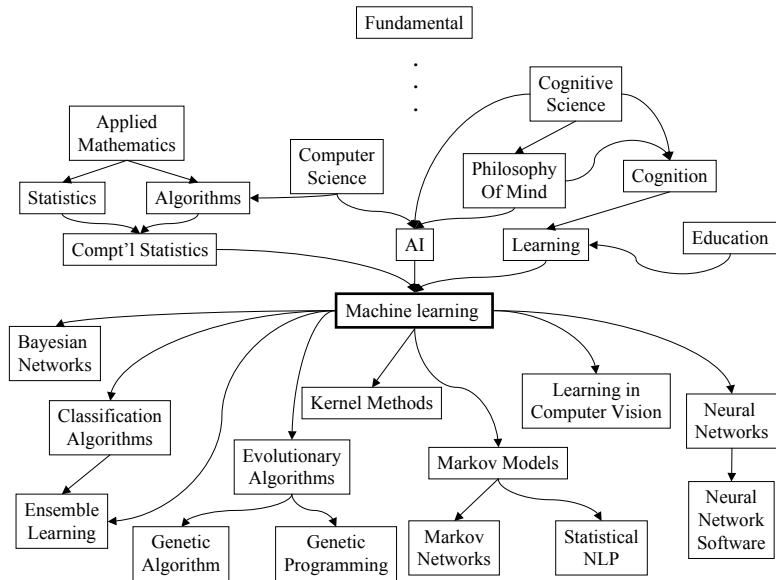


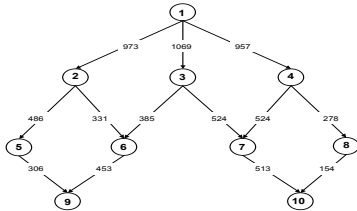
Learning concept graphs from text with stick-breaking distributions

A. Chambers, M. Steyvers and P. Smyth
University of California, Irvine

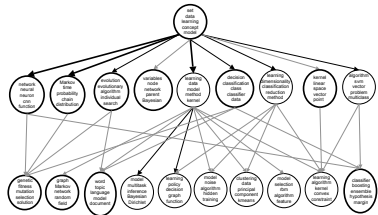
Example: Wikipedia Category Graph



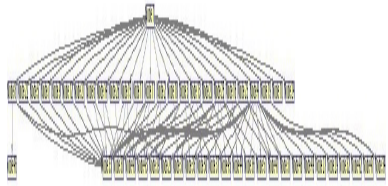
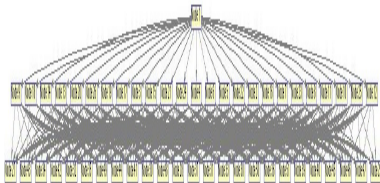
Experiments



Simulated graph structure



Updating given graph structure



Learning graph structure given a collection of articles

Summary

- ▶ Flexible framework for learning concept graphs.
- ▶ Can utilize collection of documents and/or initial graph structure.
- ▶ For more details, come see the poster.