Using Simulations to Study LDA, a Dissertation Proposal

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Abstract—This is an abstract

Introduction

Probabilistic Topic Models

Latent Dirichlet Allocation

Related Models

- pLSA
- CTM
- STM
- Supervised LDA?
- Hierarchical LDA?
- Dynamic topic models?

Evaluation Methods for Probabilistic Topic Models

- Coherence
- Reconstruction error
- Likelihood
- Perplexity

Topic Models as Latent Variable Models

History of Simulation Studies

References