STAT W4249 - Final Projects

Chang Liael Werbin, Rongyao Huang, Yiran Dong

05/11/2014

1 Introduction

2 Research Question

3 Explorative Analysis

3.1 Data Description

3.2 Data Exploration

4 Research Question Refined & Hypothesis

5 Variable Construction

6 Models: Theory & Application

6.1 Latent Dirichlet Allocation

Theoretical Approach

Results

6.2 Structural Topic Model

Theoretical Approach

Results

6.3 Regular Structural Topic Model

Theoretical Approach

Results

7 Model Comparison & Selection

8 Discussion & Visualization

9 Limitation