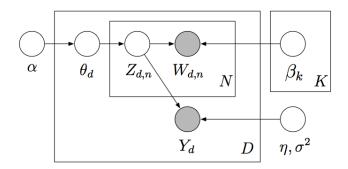




Supervised Topic Models

Advanced Machine Learning for NLP Jordan Boyd-Graber

Single Language: Supervised LDA



- Normal LDA generative story
- Document also has label y_d

$$y_d \sim \mathcal{N}(y_d, \eta^\top \mathbb{E}_{\theta}[\bar{Z}], \sigma^2)$$
 (1)

How does this change the topics?

SLDA topics

