COSC 2671 Social Media and Network Analytics

Tute Week 5
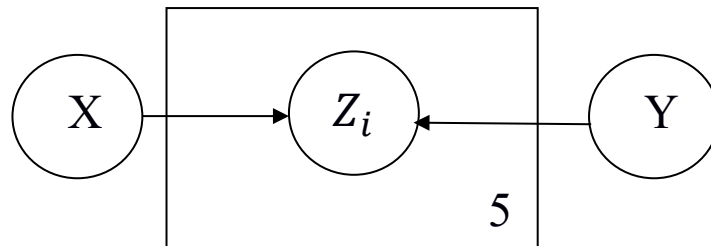
Topic Model

Learning outcomes:
- Reinforce and go deeper into topic models.

Tutorial Questions

1. What are the basic assumptions made in a topic model? Draw a diagram of the way topic models assume documents are generated.
2. Explain in your own words what does the following plate diagram mean:

3. Draw a diagram of how inference works for topic models.
4. Consider the following problem. An organisation has a set of analysts reports about their sales. They want to summarise what their analysts are writing about, but don't want to read all the reports. What would you recommend them to do? How could they determine the parameters?