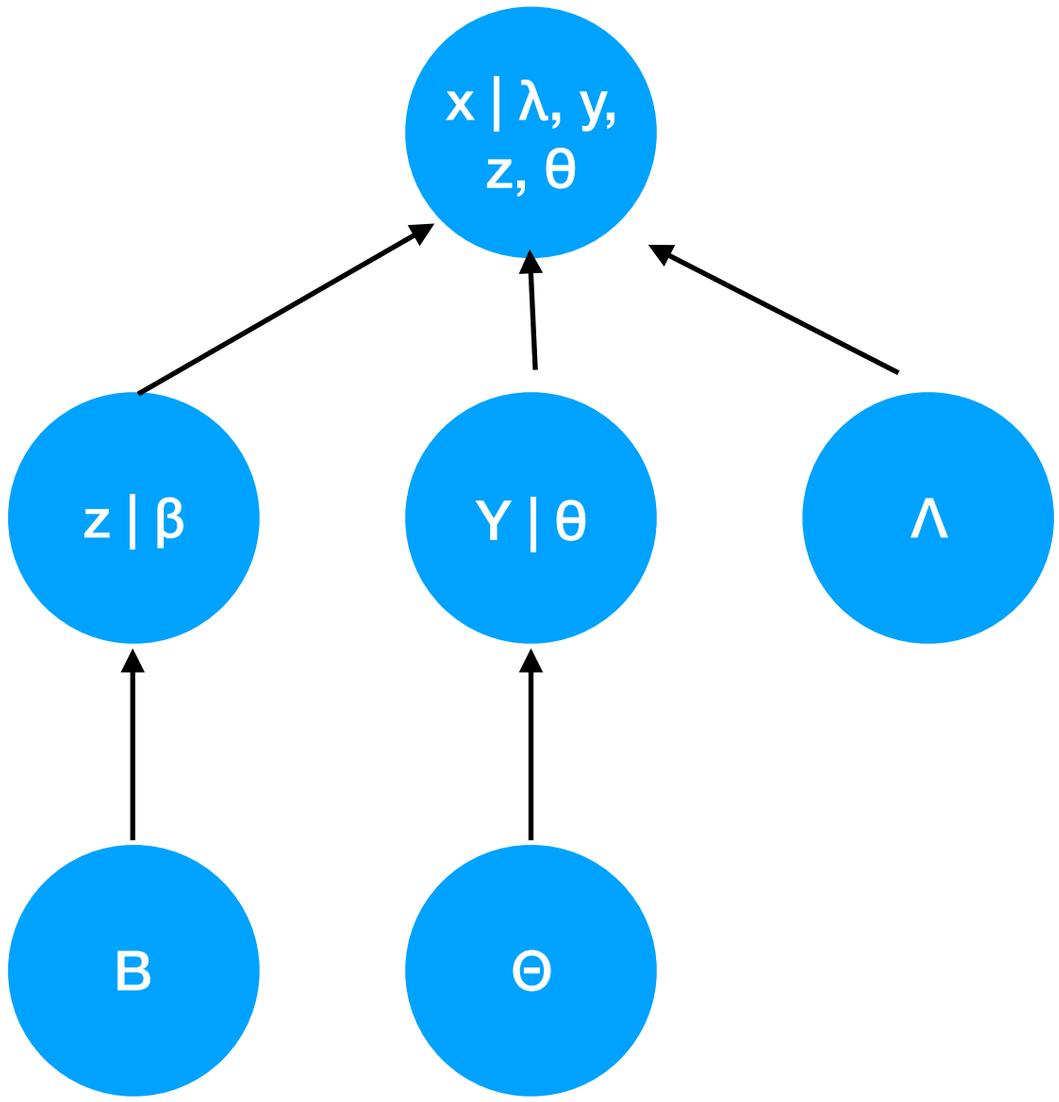
- Derivations
    - Dag
- Coding of Gibbs sampler
    - Sampling from full conditional of λ is confusing
- Final product: something similar to a tutorial?

Derivations



Coding of Gibbs Sampler

- R-markdown
    - Sampling from full conditional of λ is confusing: How to determine the c's?

$$P(\lambda_{i1} = c_1, \ldots, \lambda_{in_i} = c_{n_i} \mid \boldsymbol{y}, \boldsymbol{z}, \boldsymbol{\theta}, \boldsymbol{\beta}, \boldsymbol{x})$$

$$\overset{\text{ind}}{\propto} \begin{cases} 0 & \text{if there exist } j, \ell \text{ such that} \\ & \qquad z_{ij\ell} = 0 \text{ and } x_{ij\ell} \neq y_{c_j\ell}, \\ 1 & \text{otherwise.} \end{cases}$$

Final Product

- Something similar to a tutorial?
- Learning process, relevant materials in STA 360, arranged in a way to jump start on SMERED
- Detailed derivations, explained and carefully commented code