











## Forward Sampling

- How do you sample from P(X<sub>i</sub> | Parents(X<sub>i</sub>))?
- Note: P(X<sub>i</sub> | Parents(X<sub>i</sub>)) is a multinomial distribution P(x<sub>i</sub><sup>1</sup>, ..., x<sub>i</sub><sup>k</sup> | θ<sub>1</sub>, ..., θ<sub>k</sub>)?

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