A Bayesian Framework for Cross-Situational Word Learning

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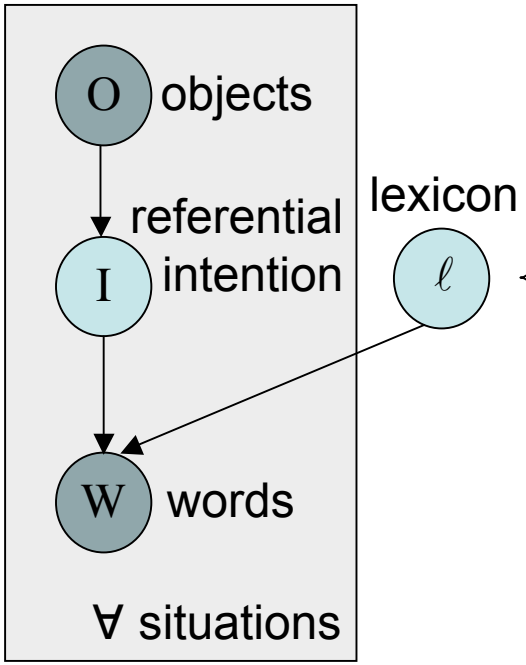
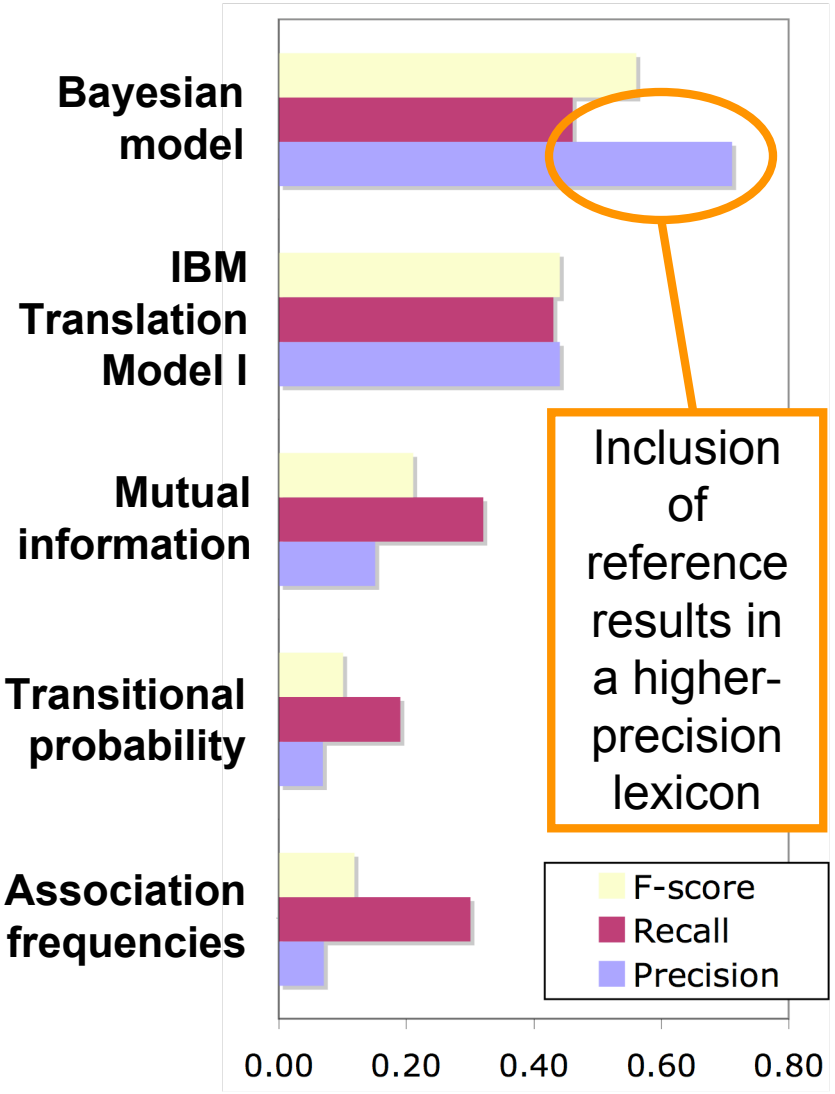
Graphical model



Word	Object
bear	**bear**
bigbird	**bird**
bird	**duck**
birdie	**duck**
book	**book**
bottle	bear
bunnies	**bunny**
bunnyrabbit	**bunny**
hand	**hand**
hat	**hat**
hiphop	mirror
kittycat	**kitty**
lamb	**lamb**
laugh	cow
meow	baby
mhmm	hand
mirror	**mirror**
moocow	**cow**
oink	**pig**
on	ring
pig	**pig**
put	ring
ring	**ring**
sheep	**sheep**

Corpus data from CHILDES annotated with objects

Quantitative results