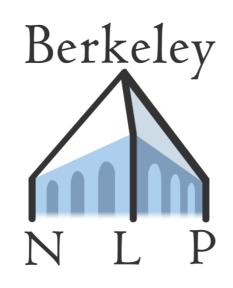
An Empirical Examination of Challenges in Chinese Parsing





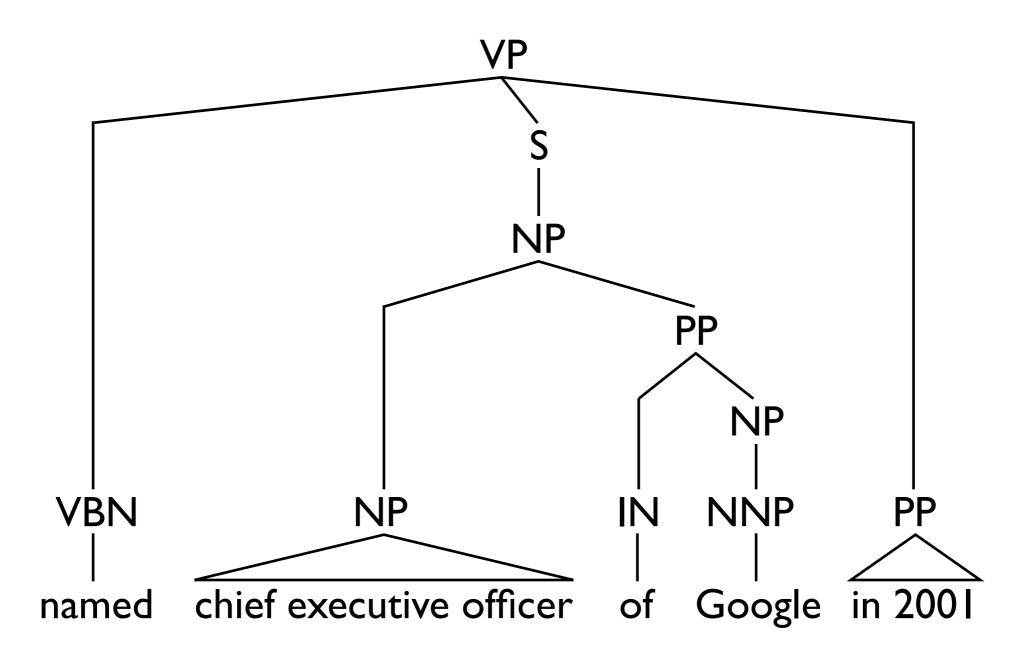
Jonathan Kummerfeld
Dan Klein
UC Berkeley

Daniel Tse James Curran U Sydney

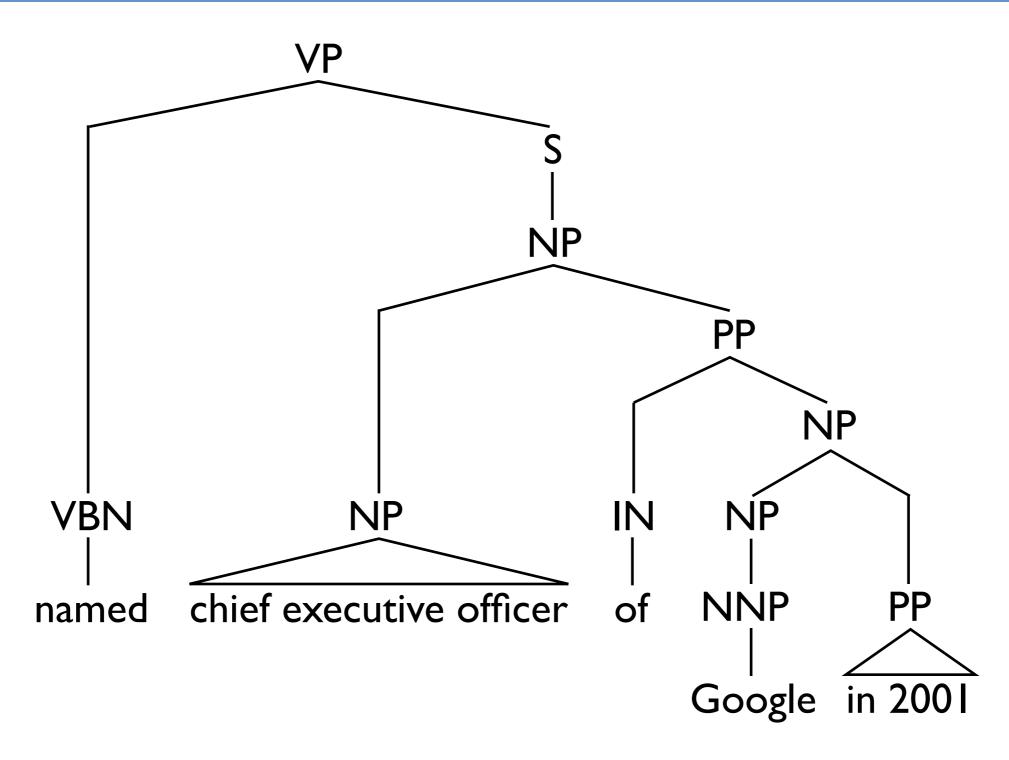


named chief executive officer of Google in 2001

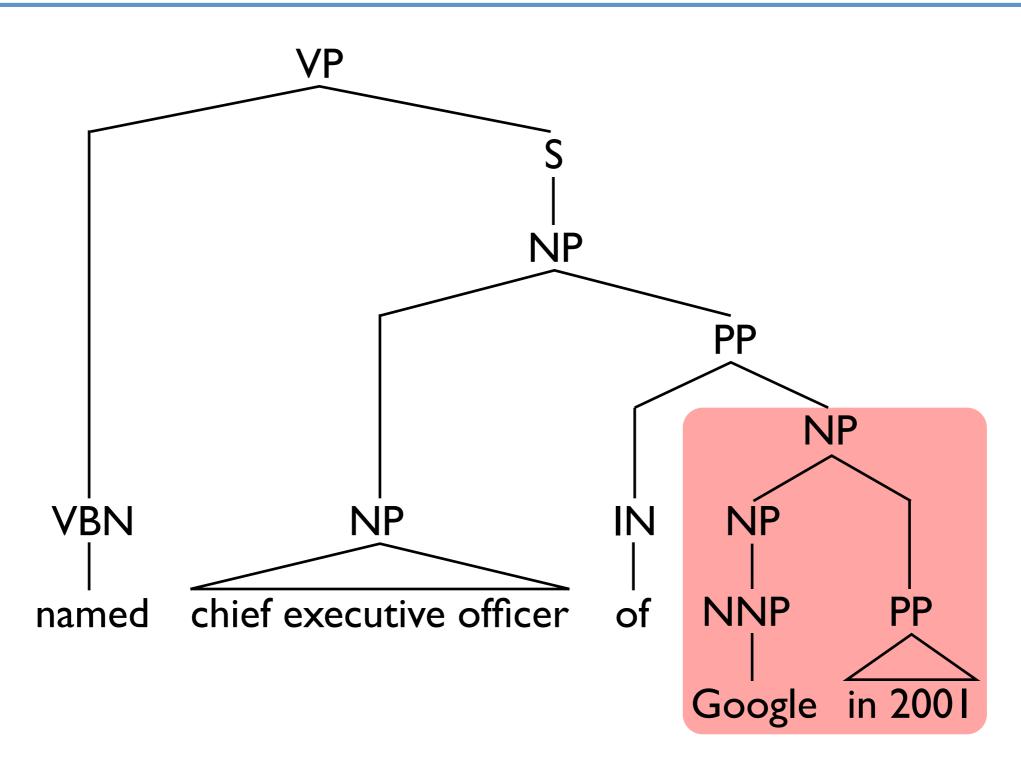




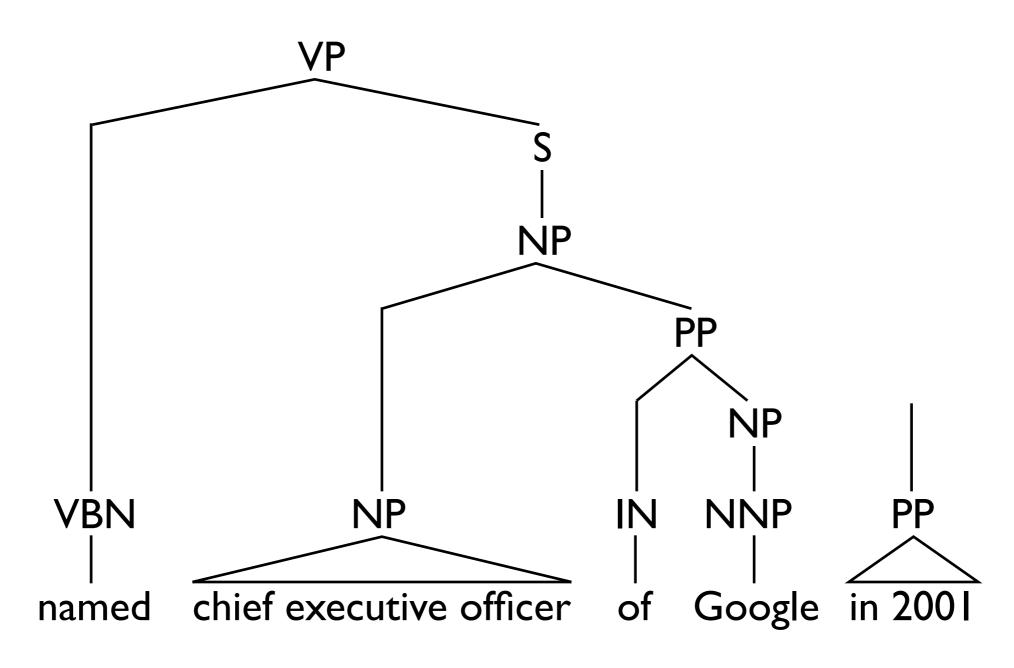




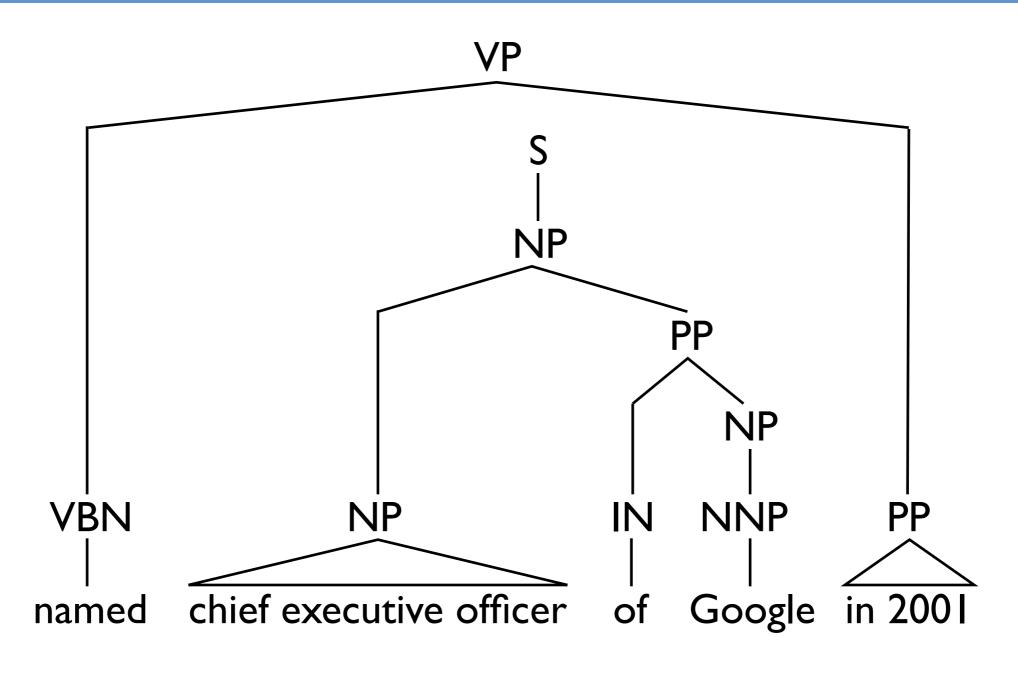




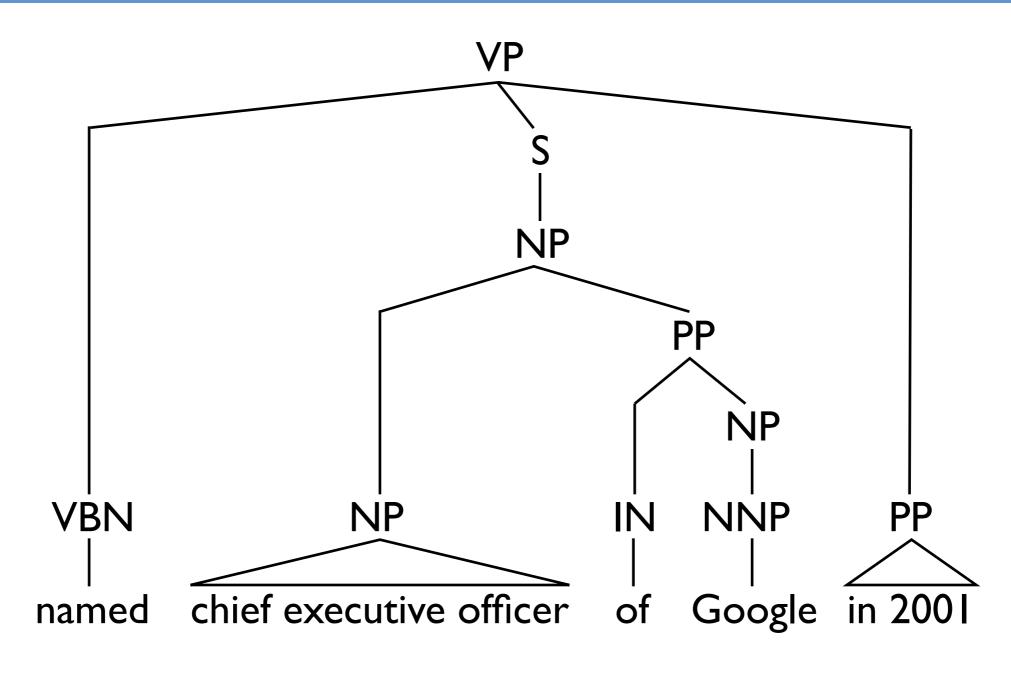
















Manual Error Analysis

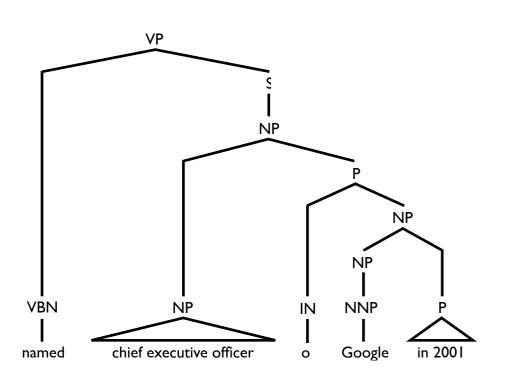


Manual Error Analysis

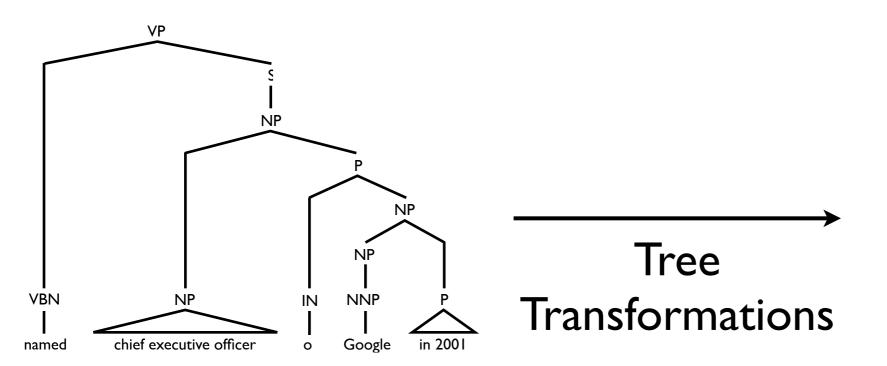
Too slow!



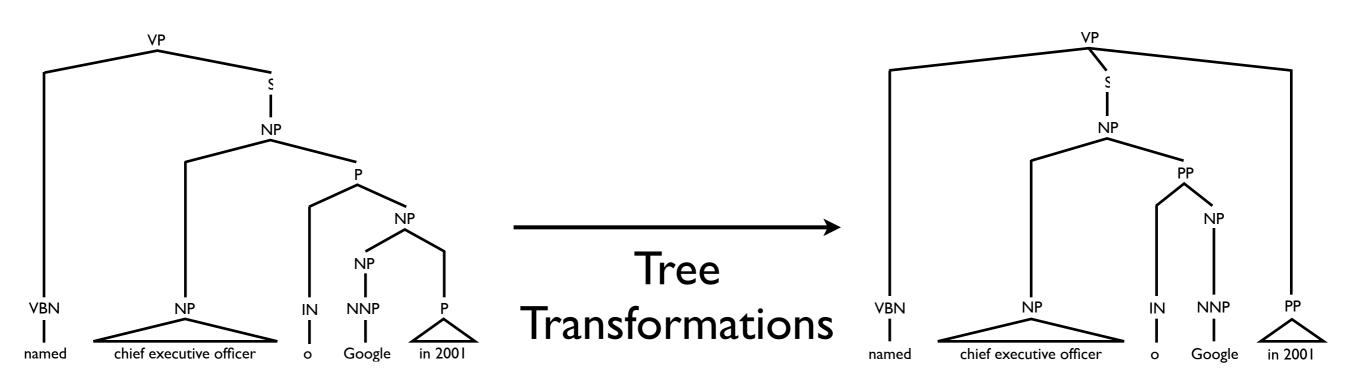




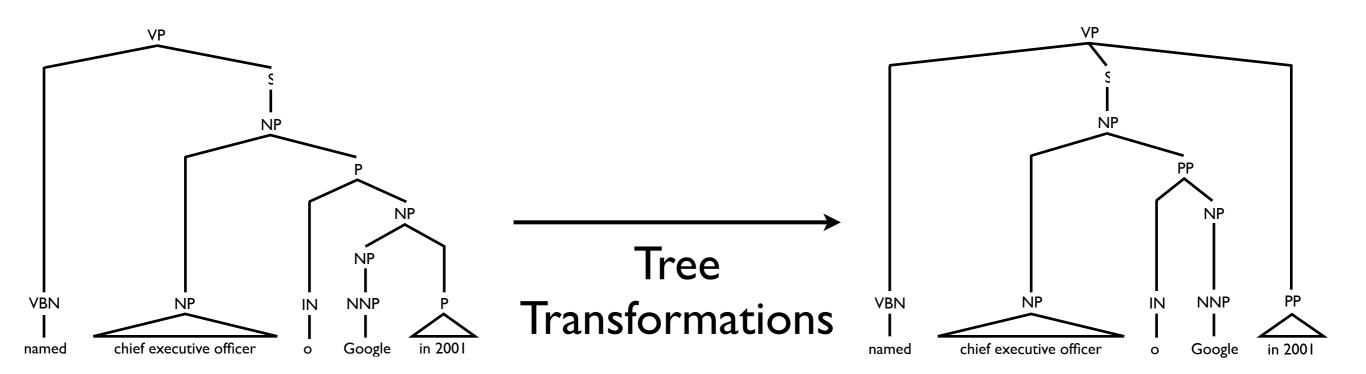






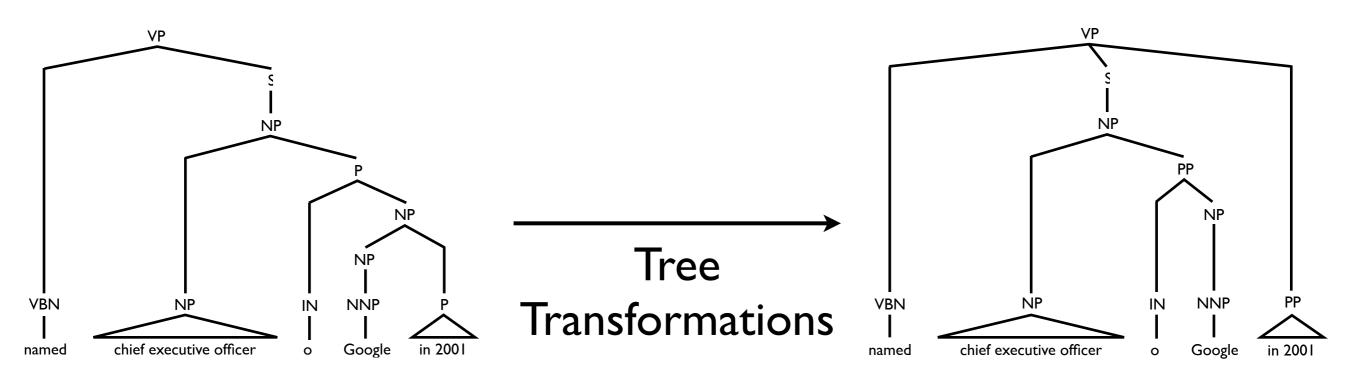






List of
Transformation
Steps

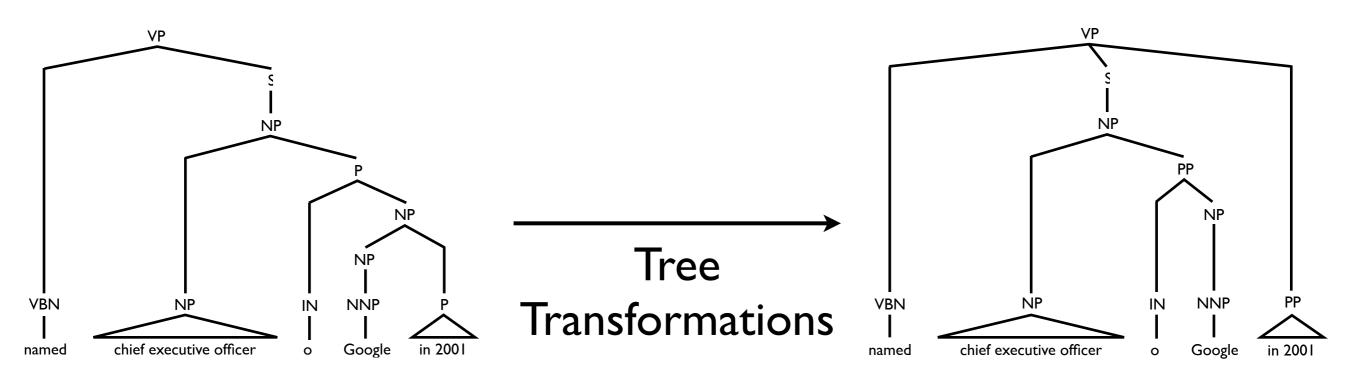




List of
Transformation
Steps

Categorise

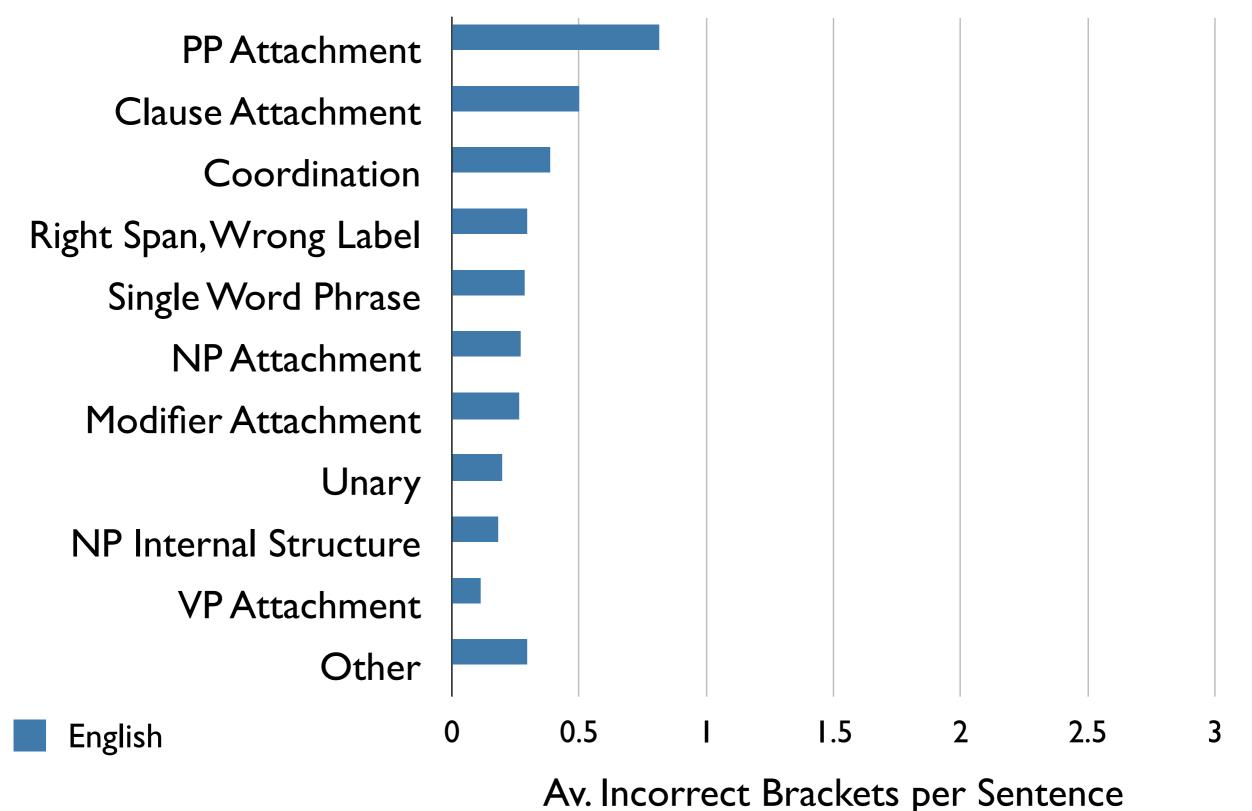




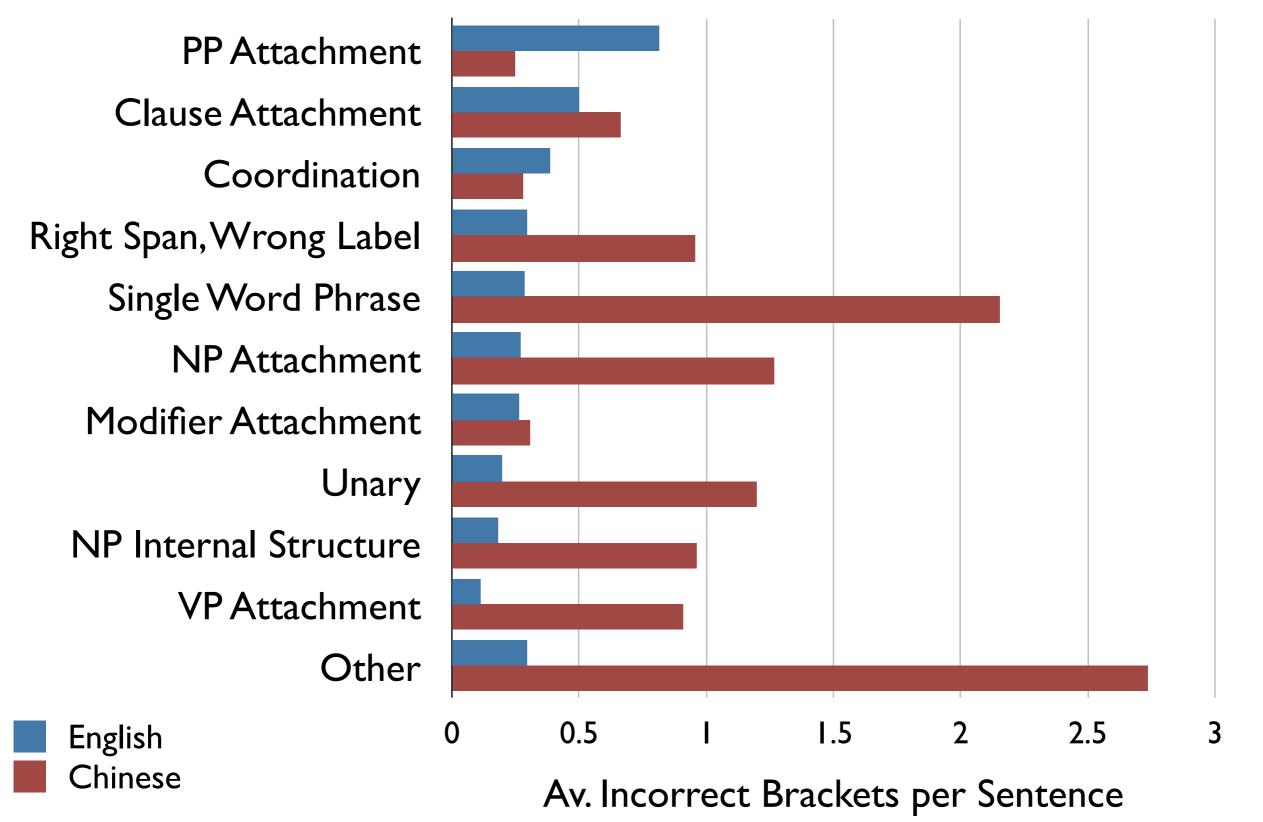
List of
Transformation
Steps

List of Errors

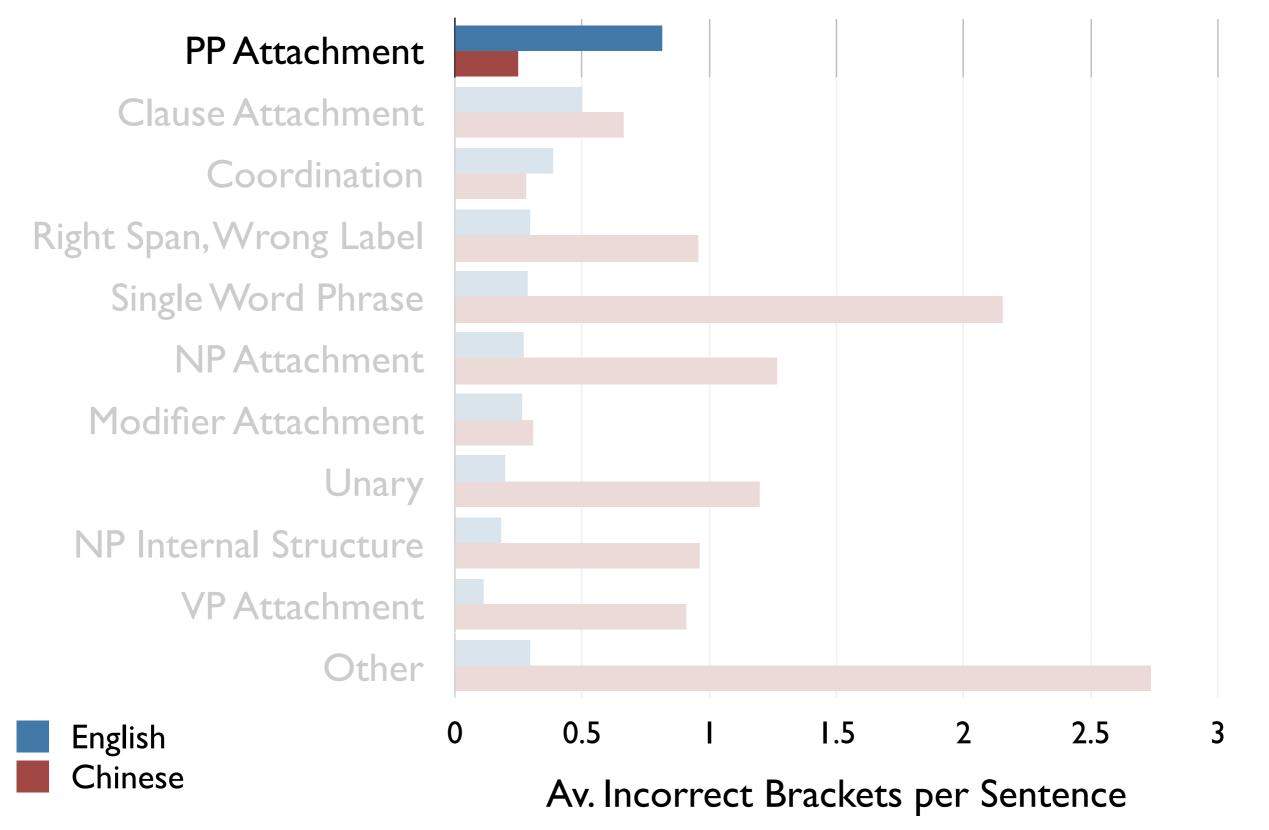




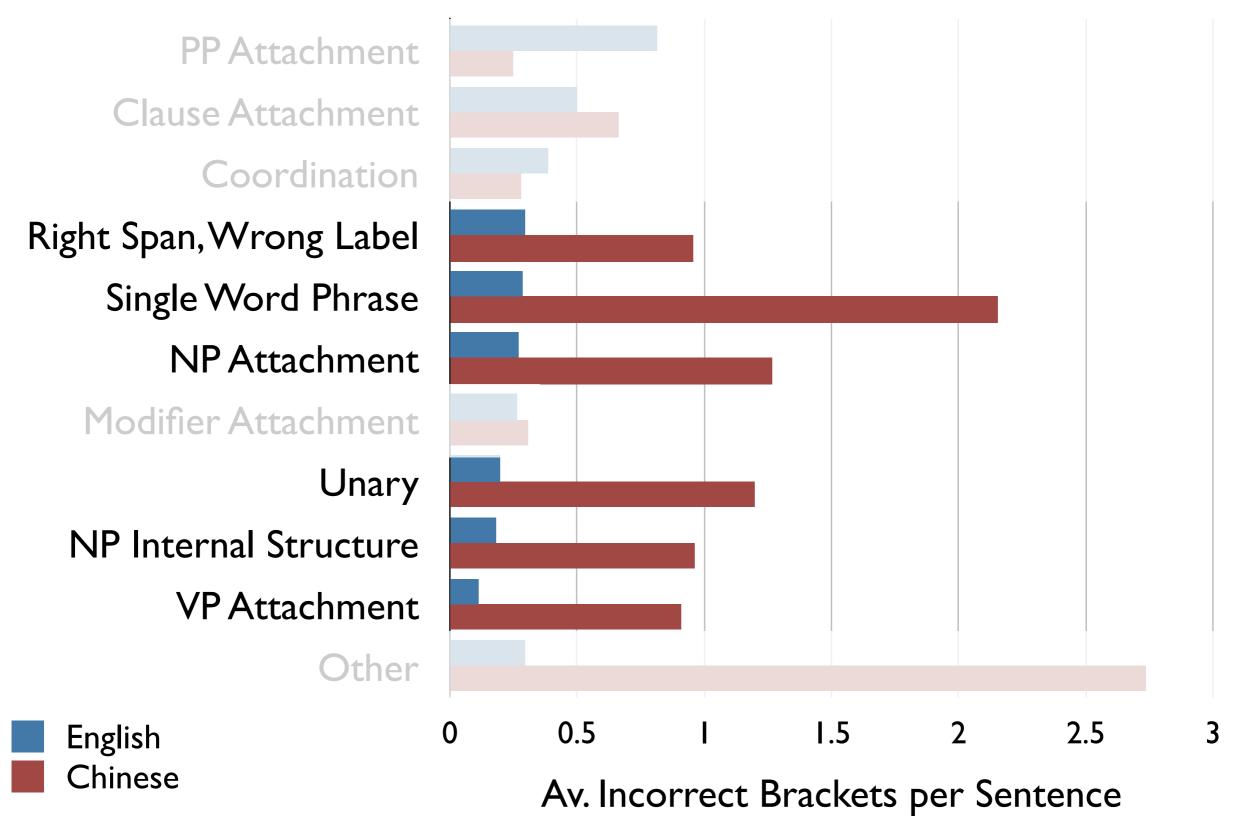




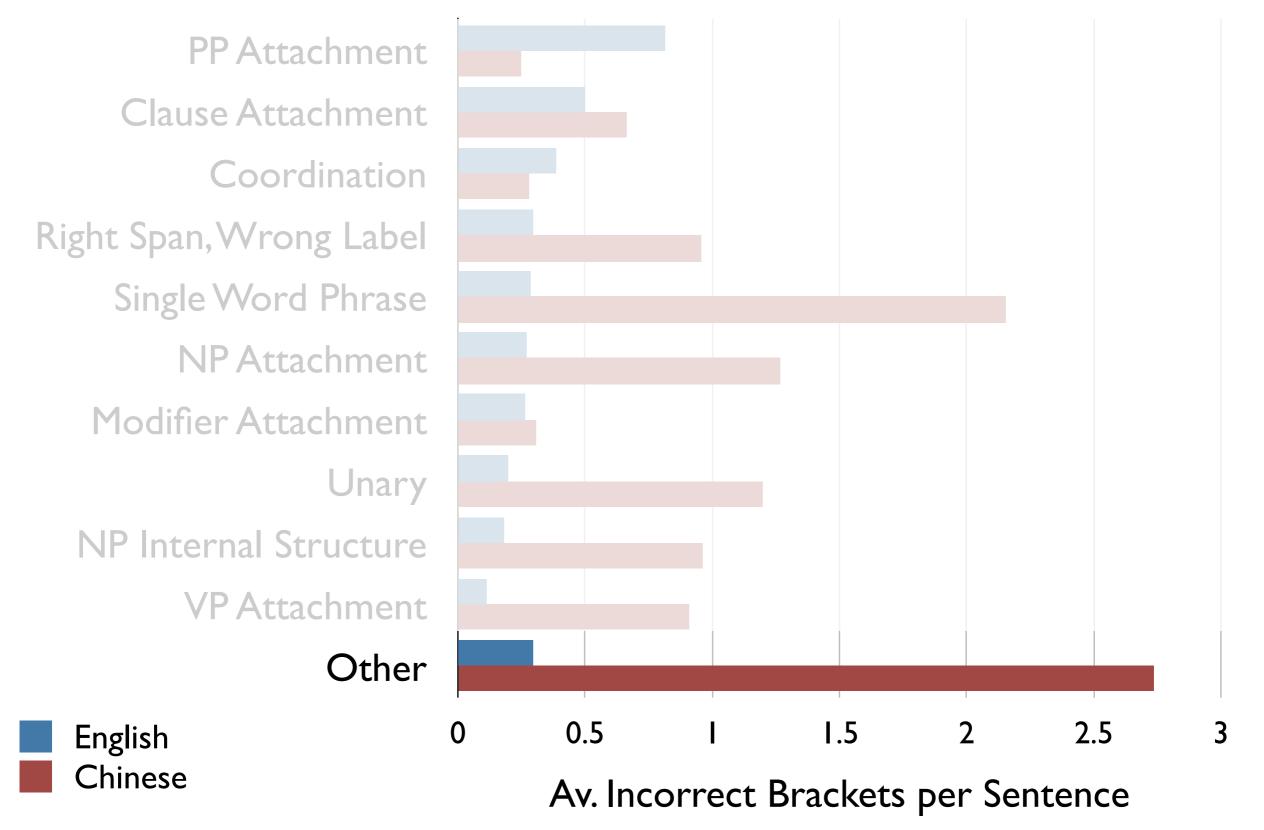












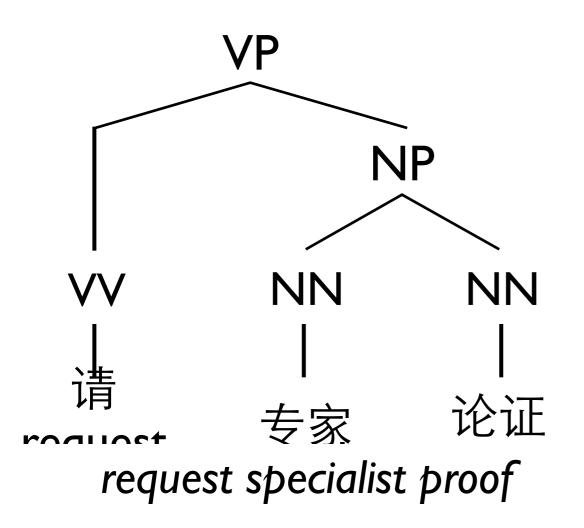


请 roguest

专家

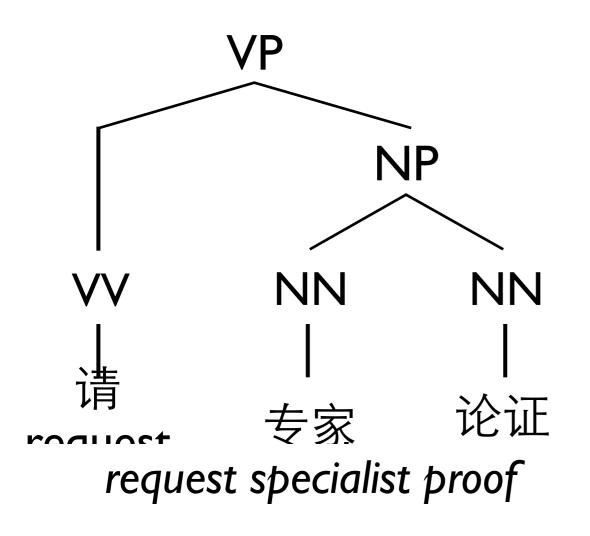
论证

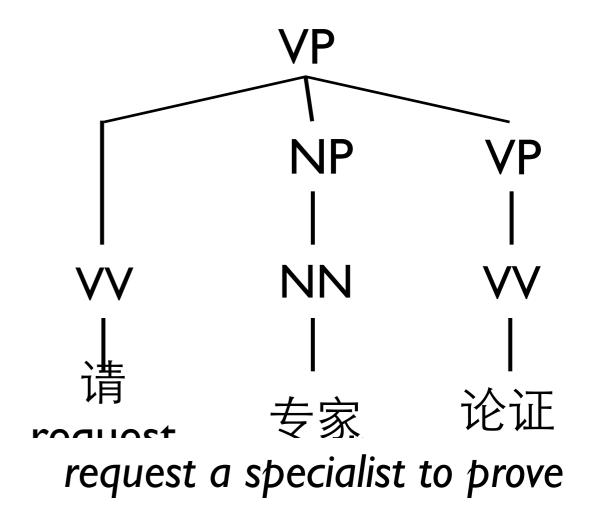




System

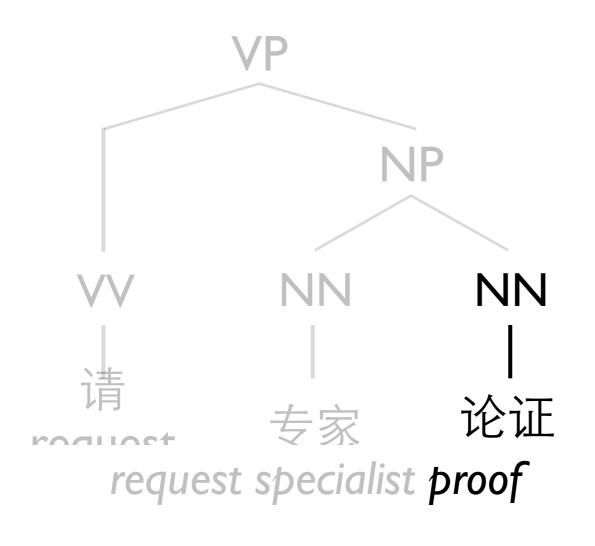


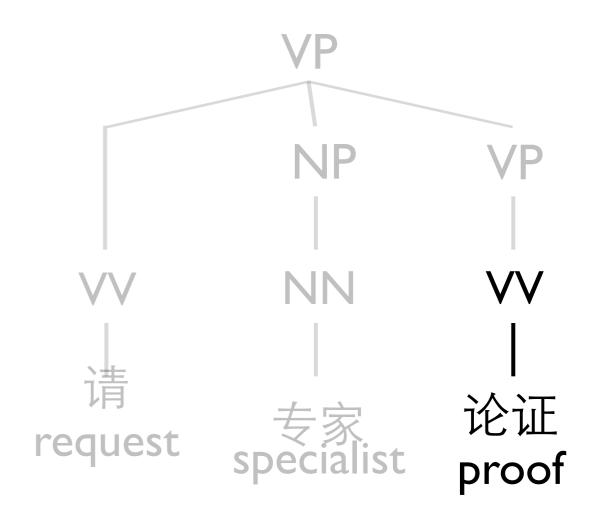




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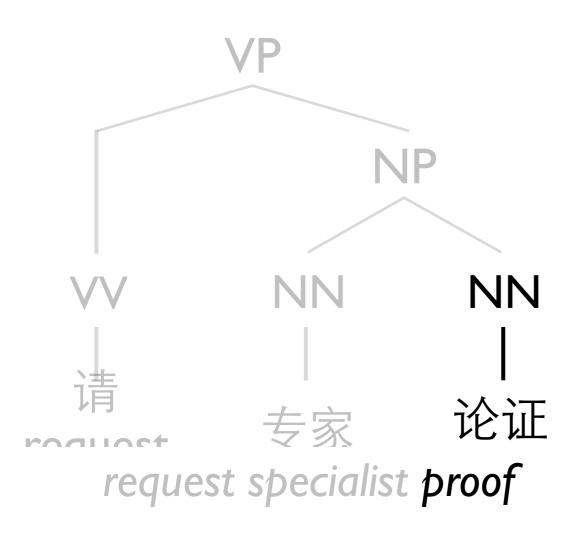


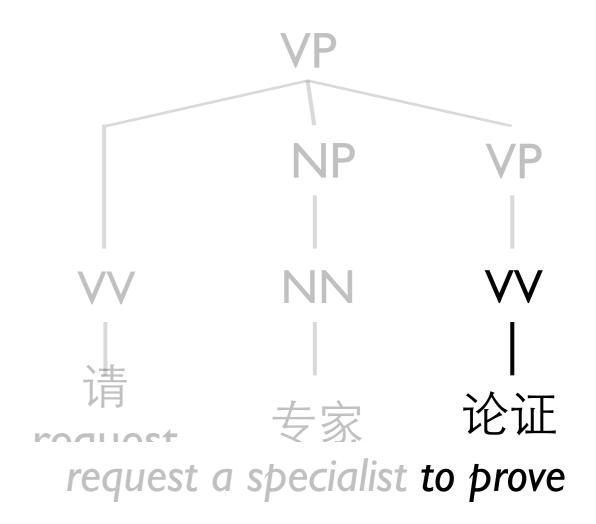




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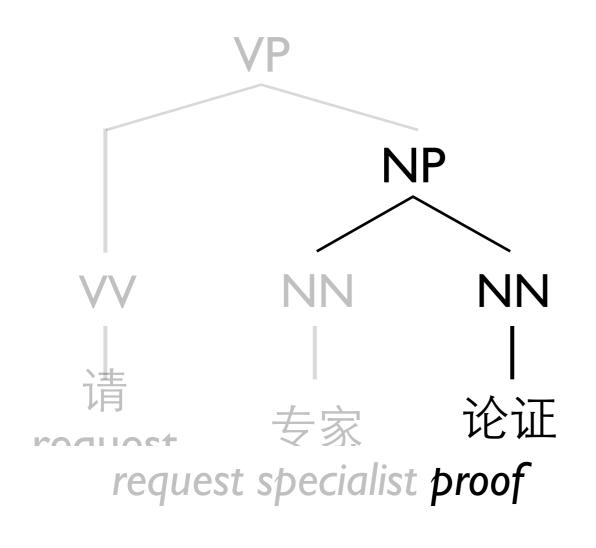


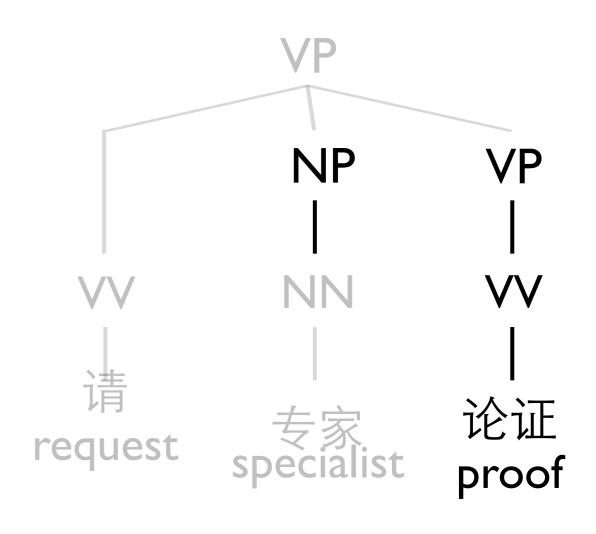




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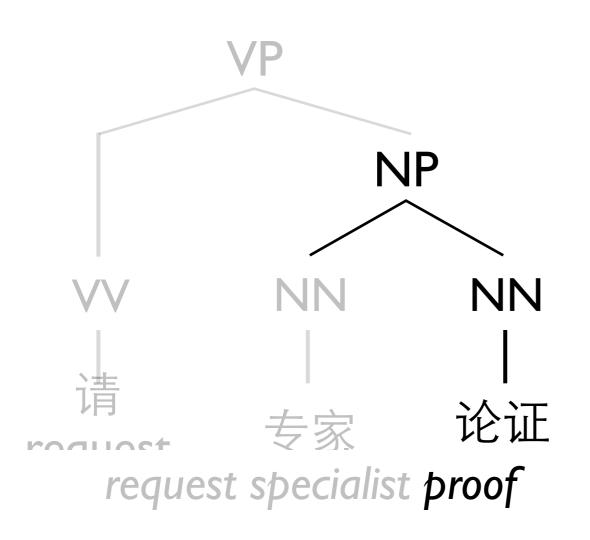


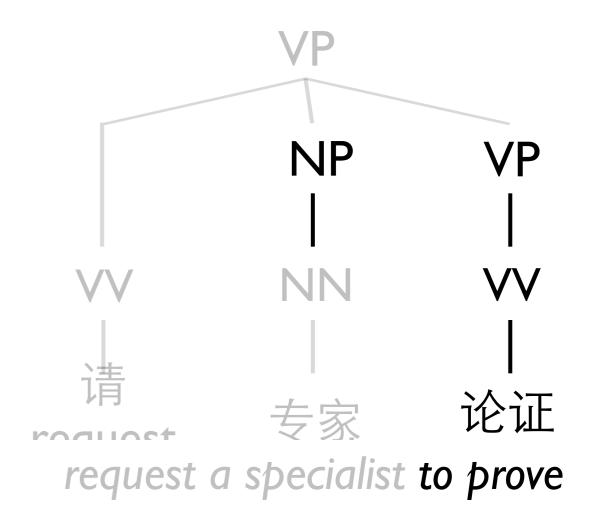




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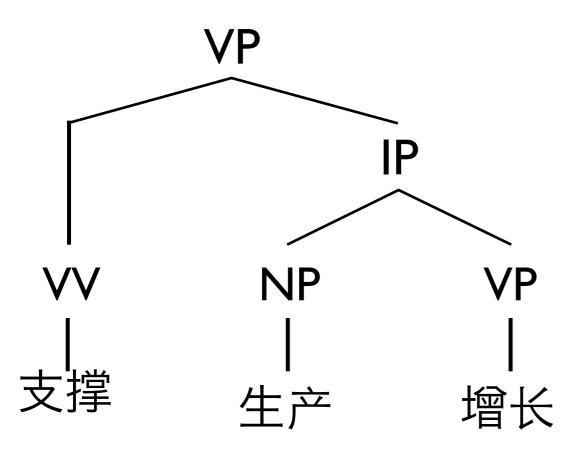


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支撑 生产 增长

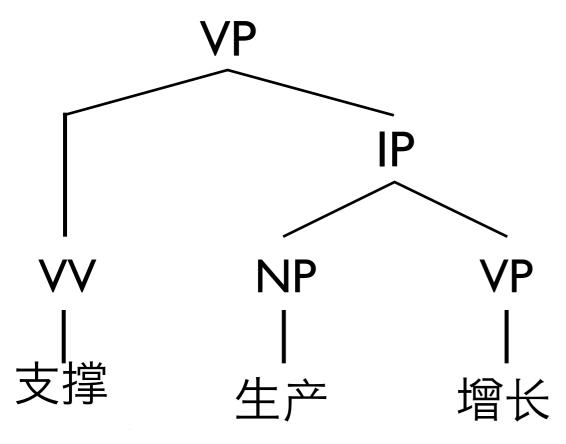




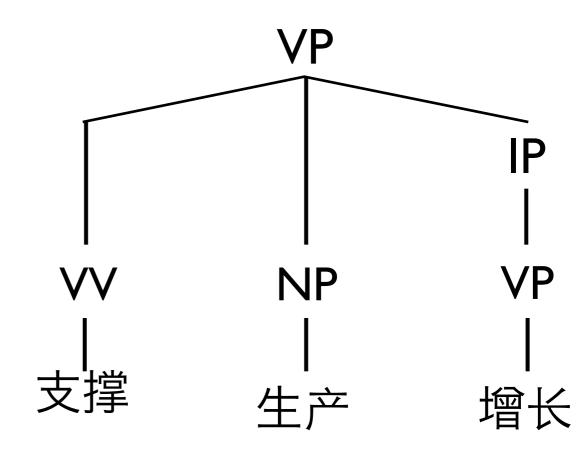
support increasing production

System





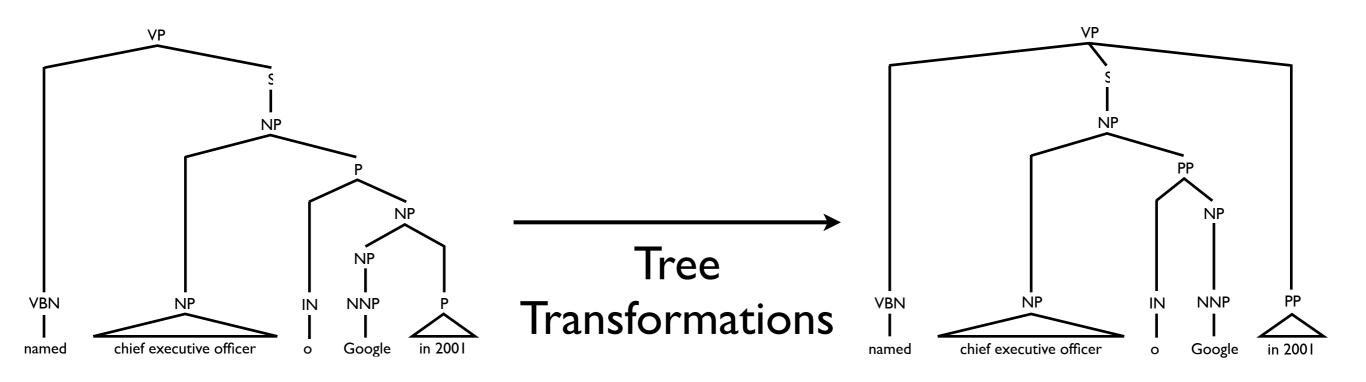
support increasing production



support production to increase

System

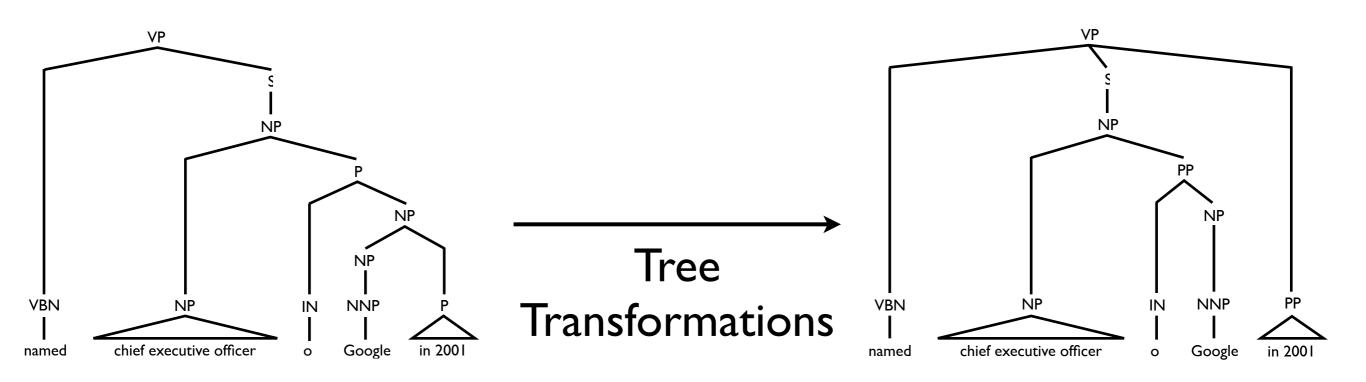




List of
Transformation
Steps

List of Errors



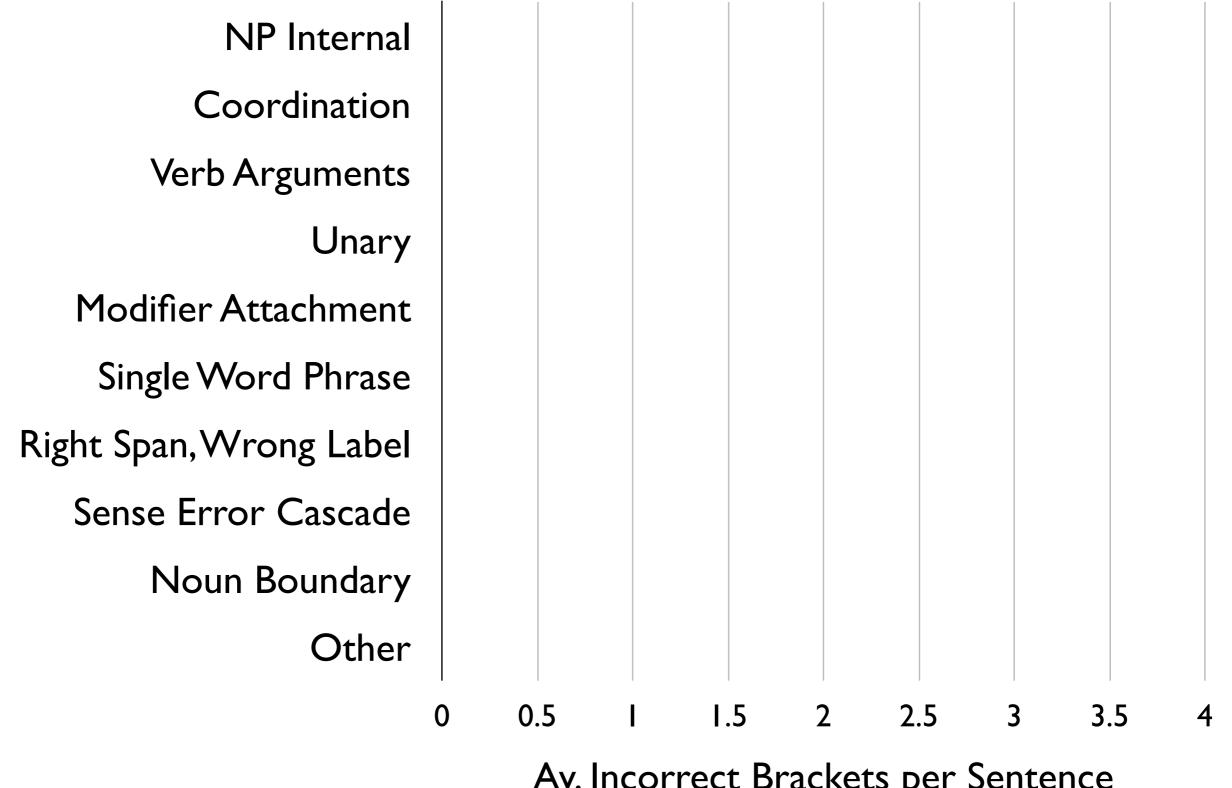


List of
Transformation
Steps

Categorise

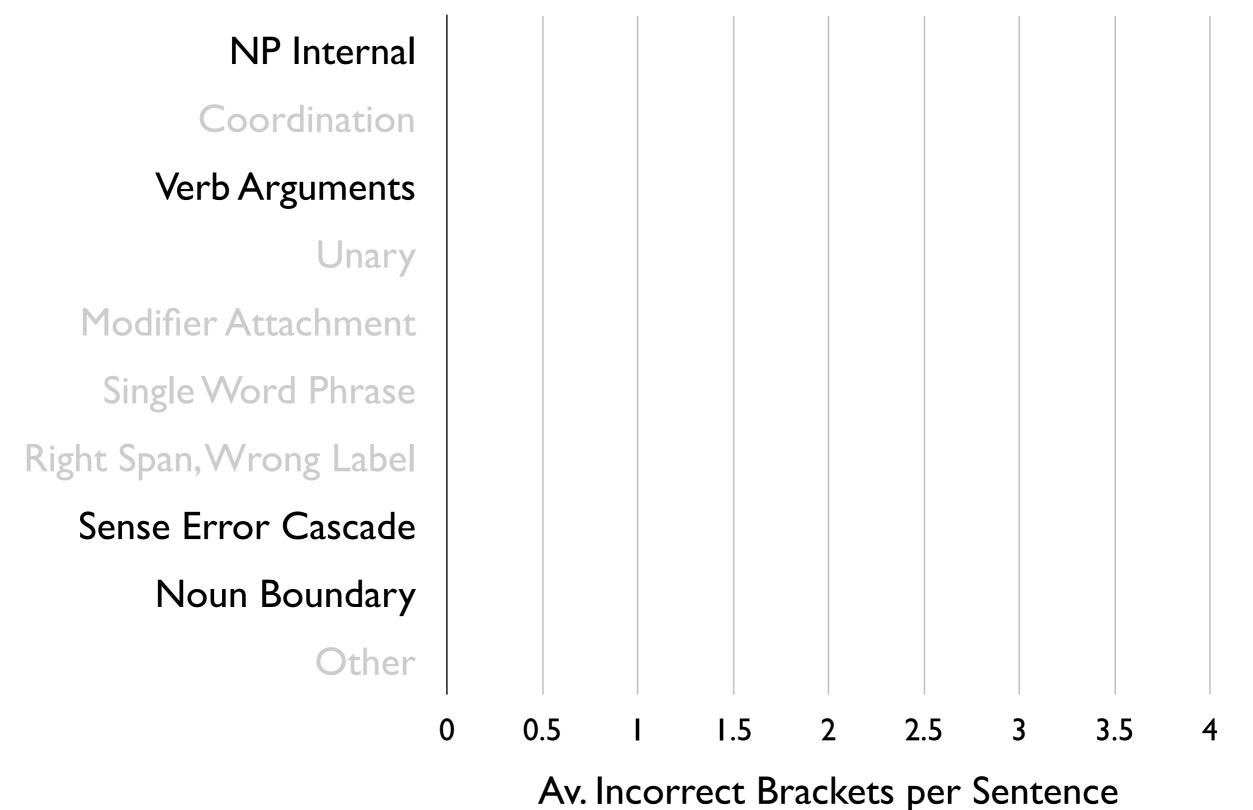
List of Errors



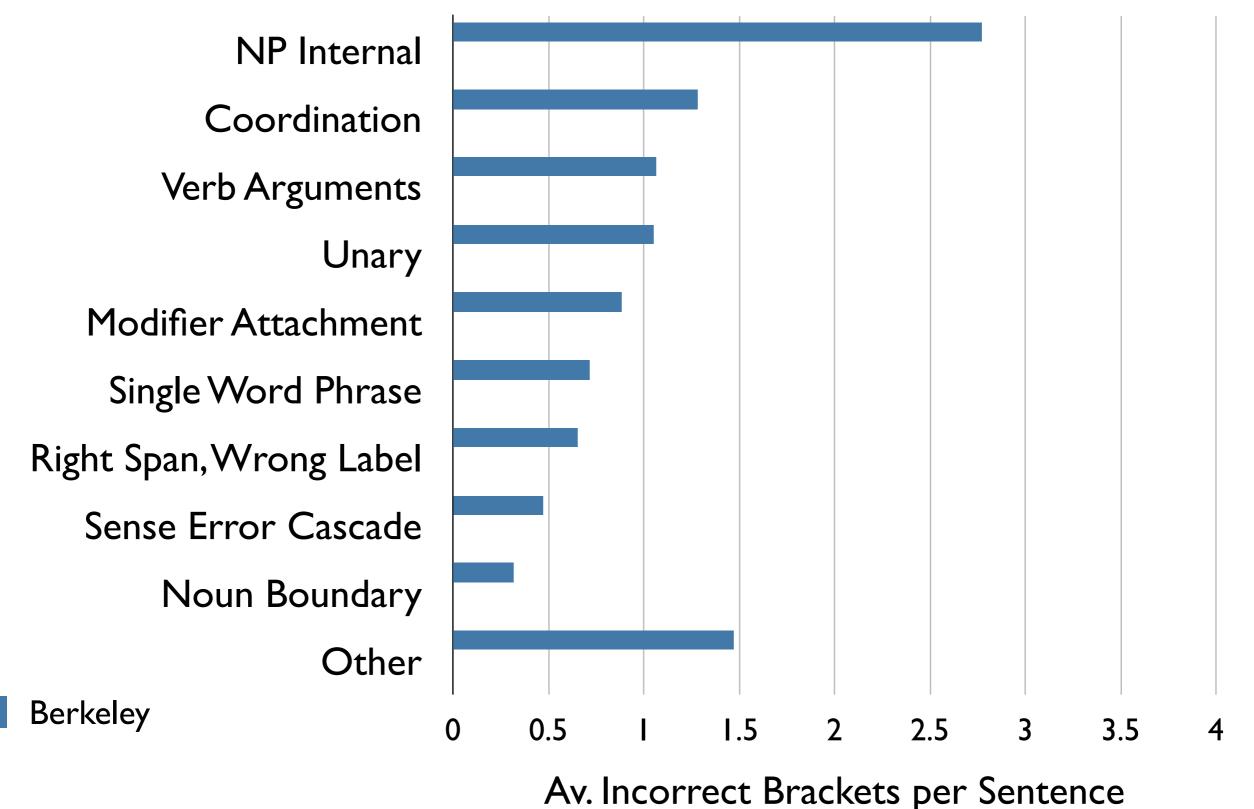


Av. Incorrect Brackets per Sentence

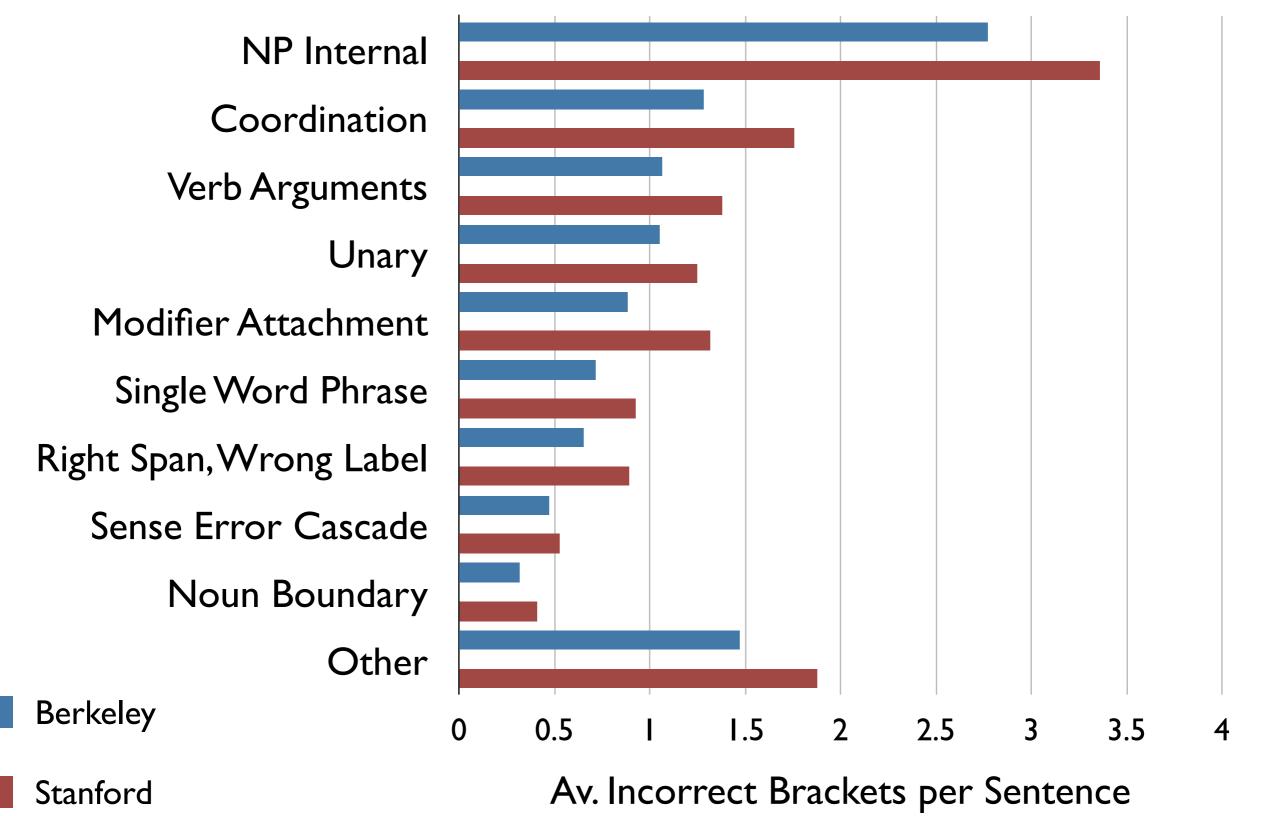




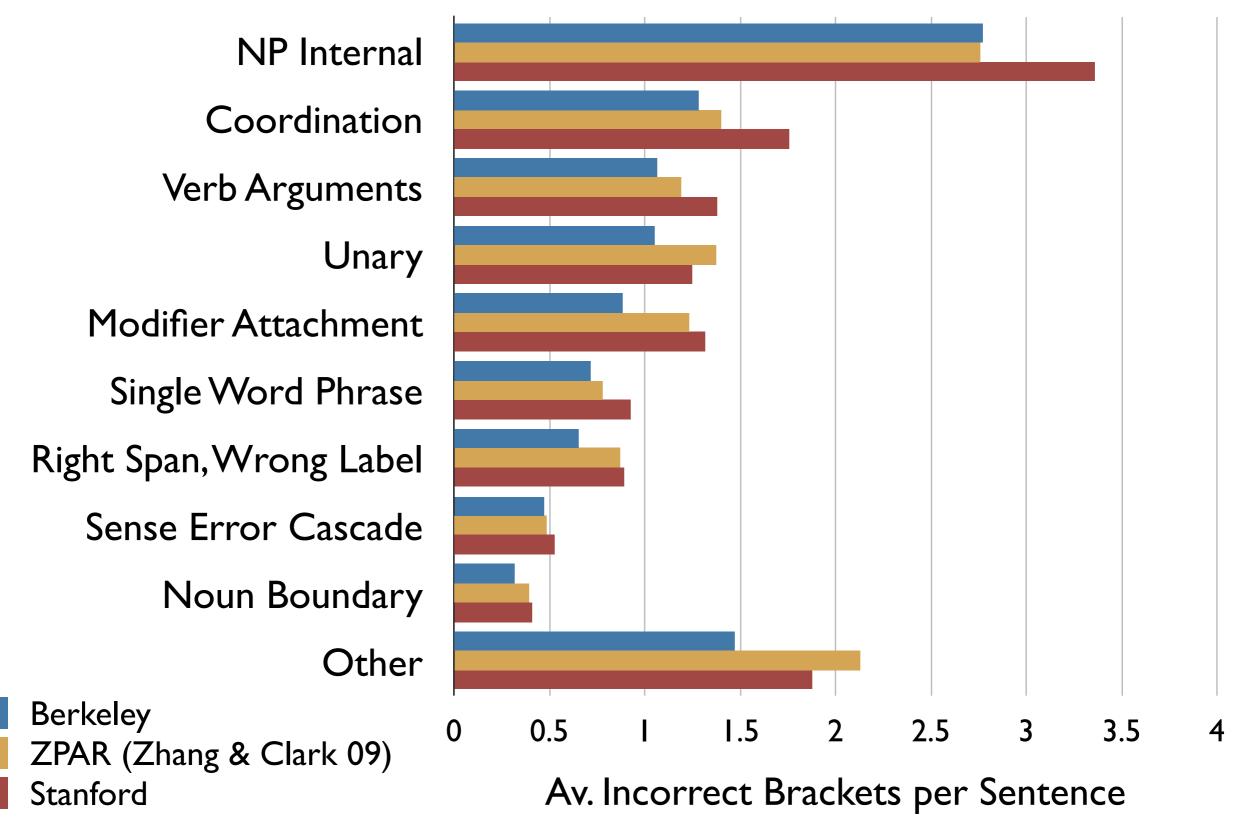




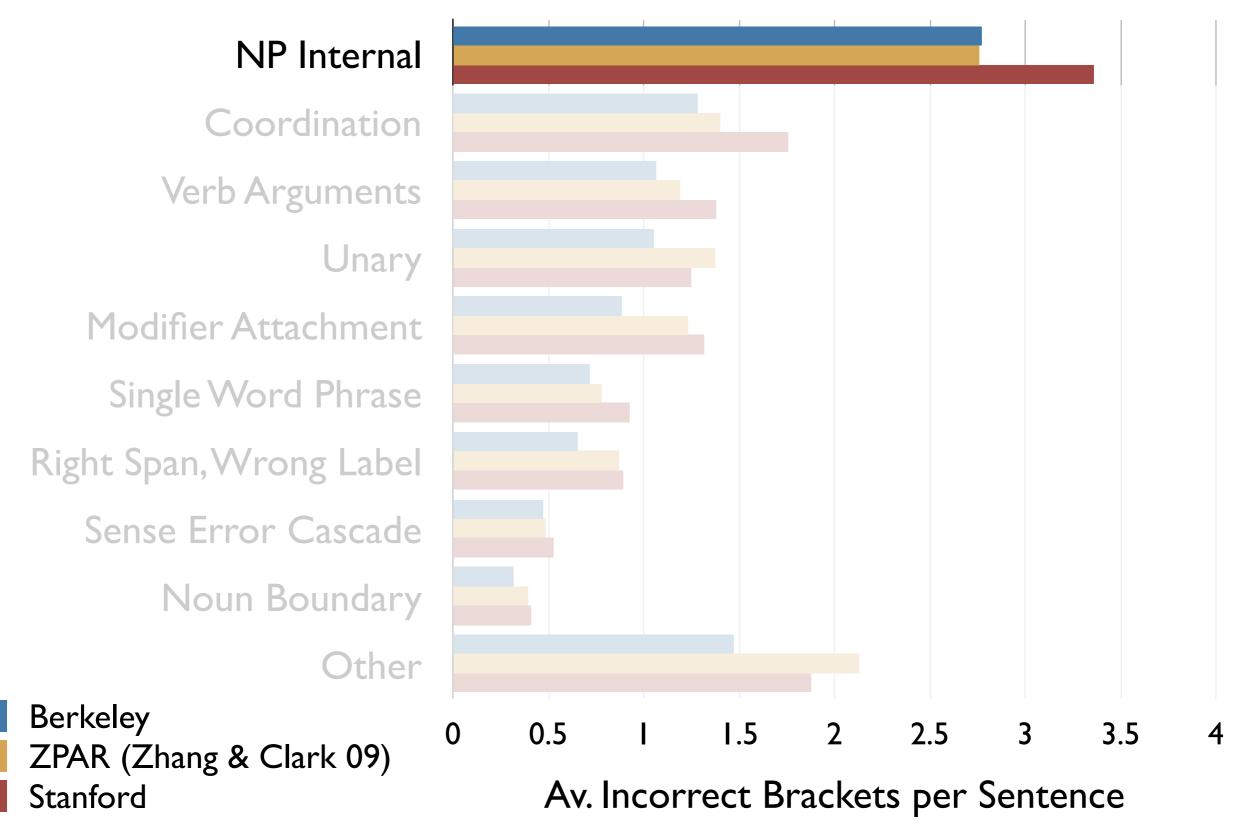




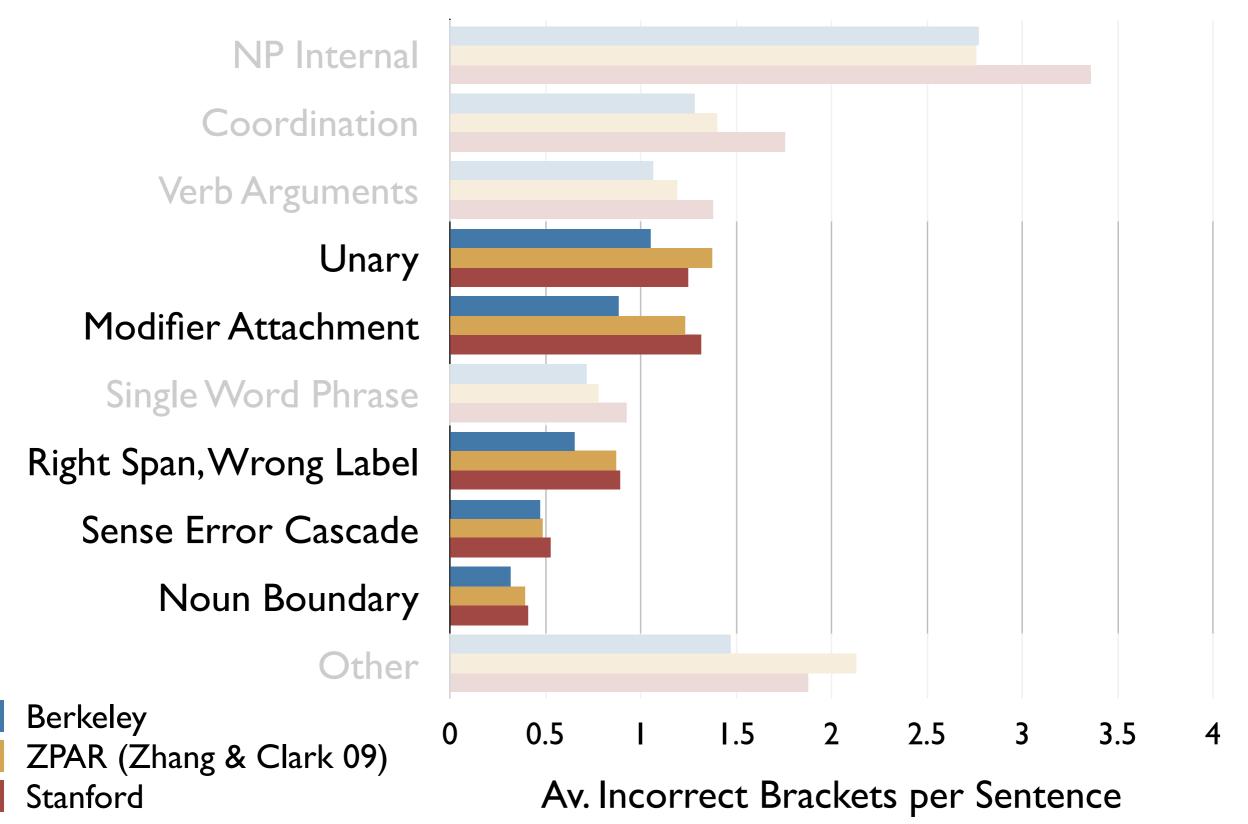




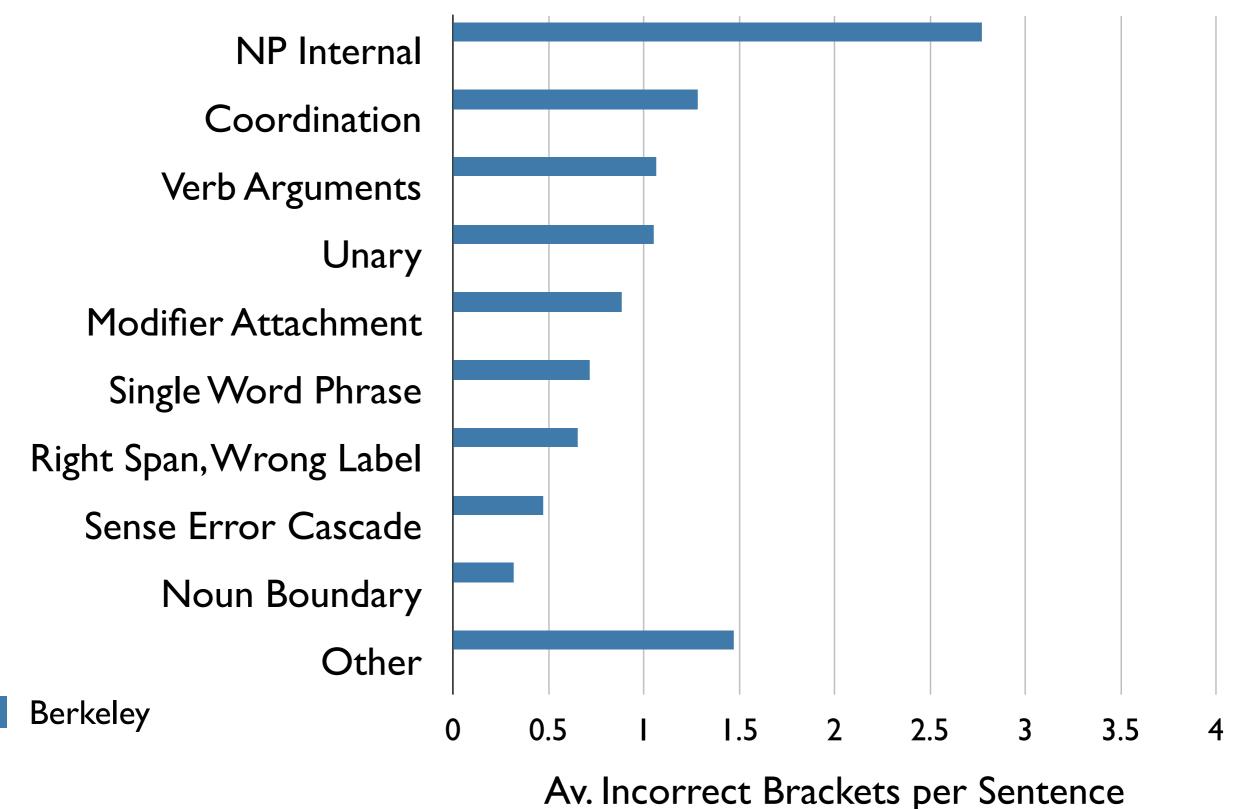




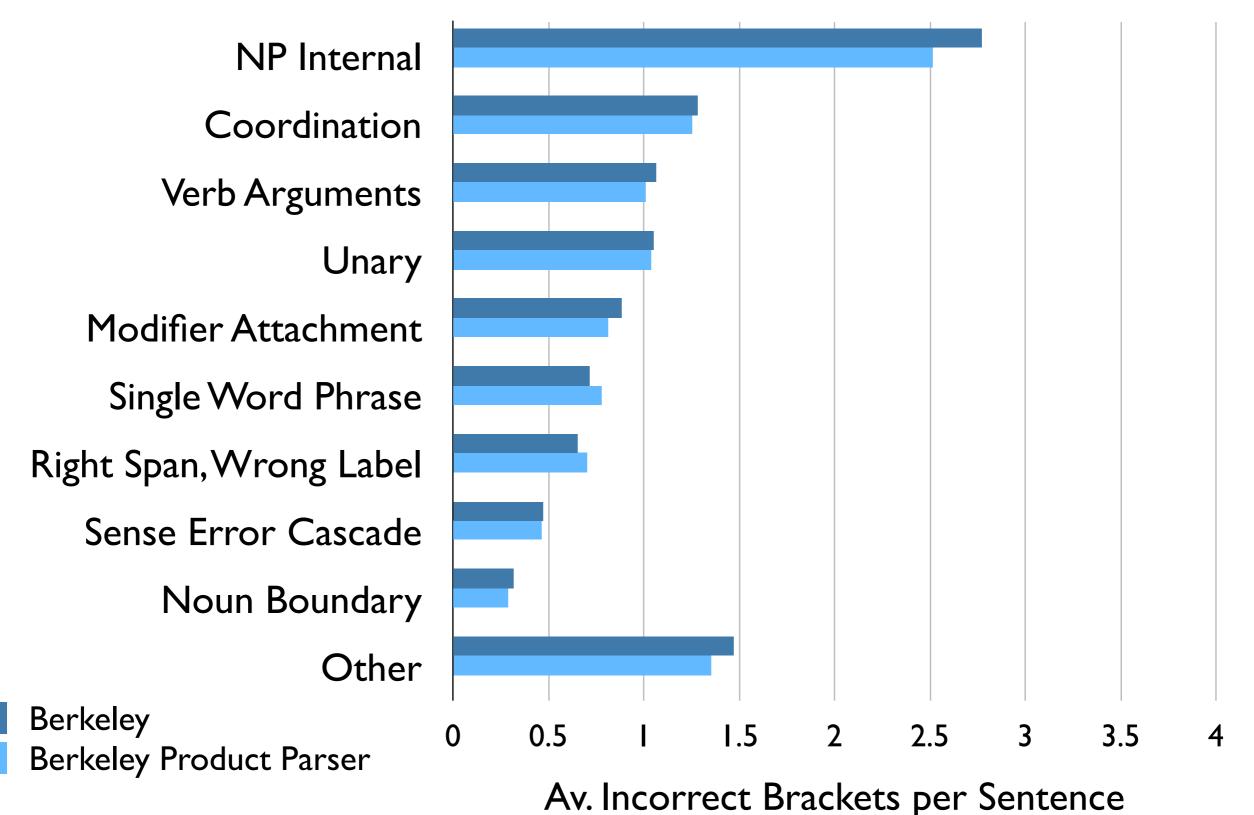




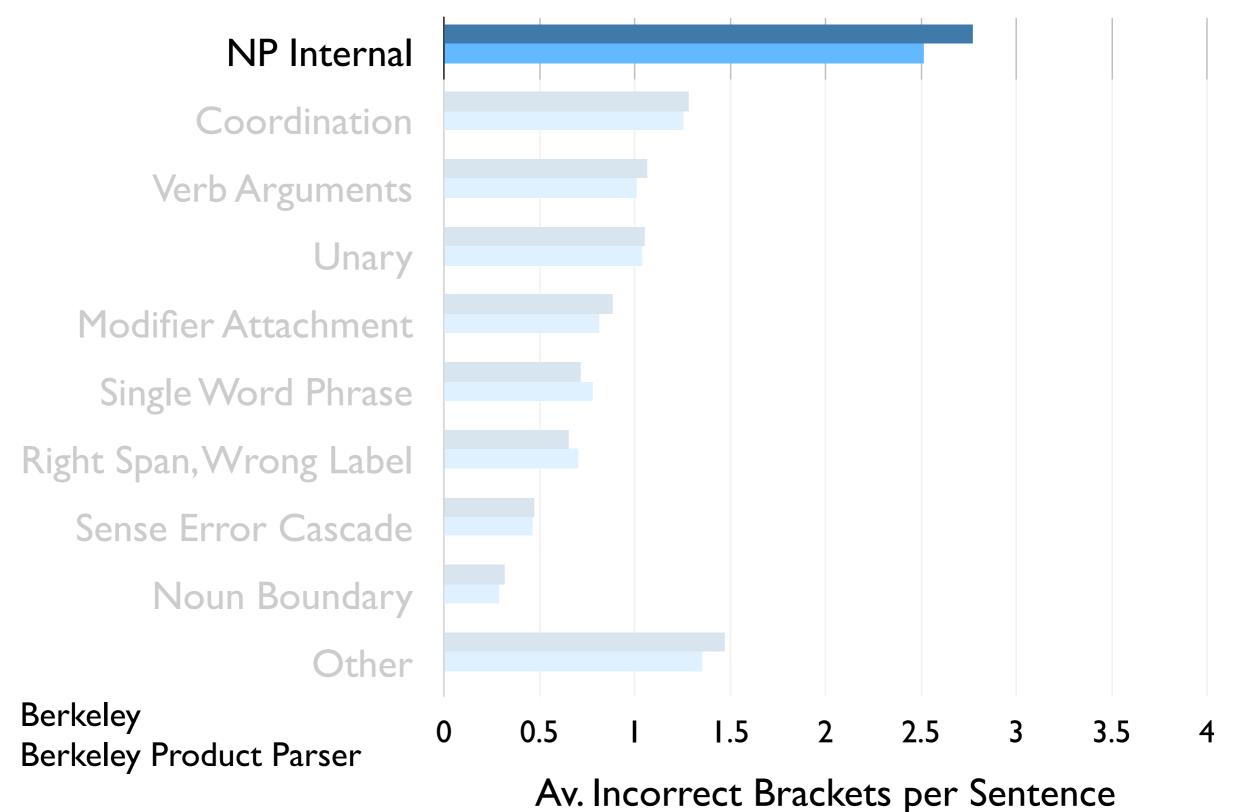




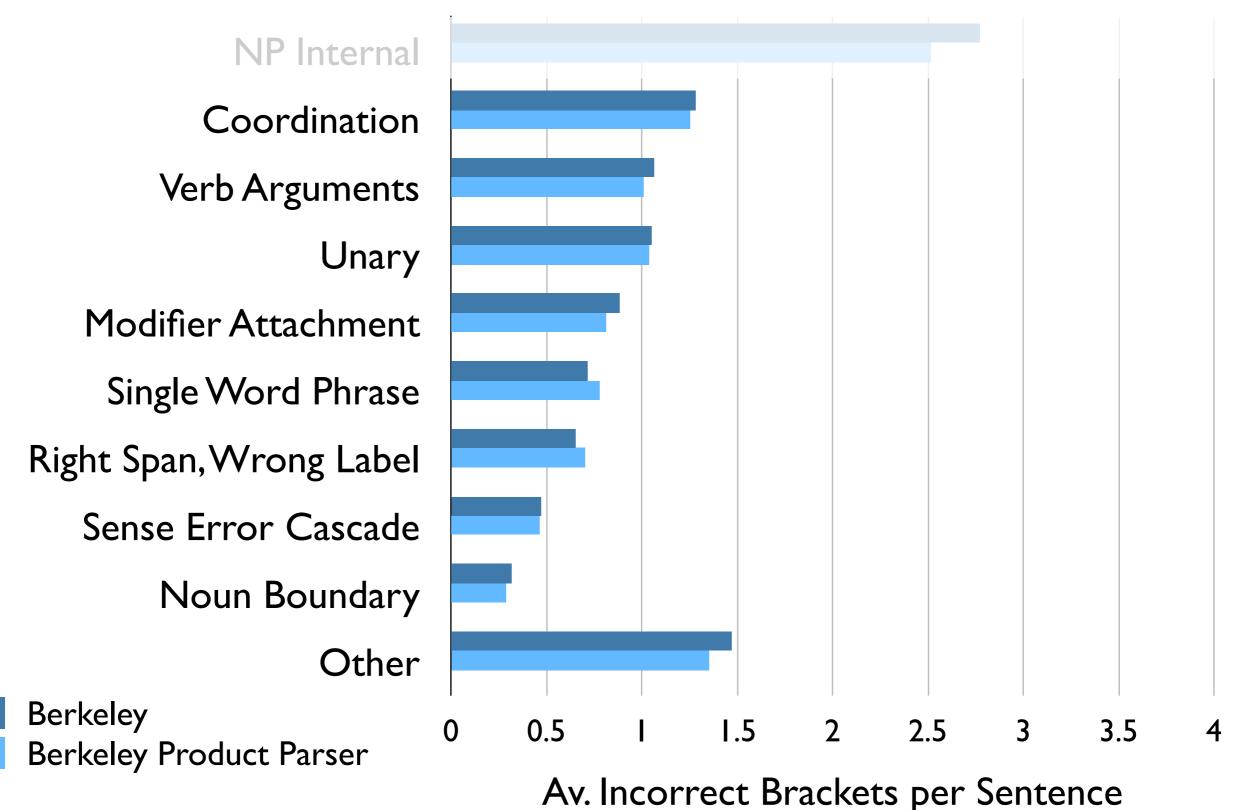






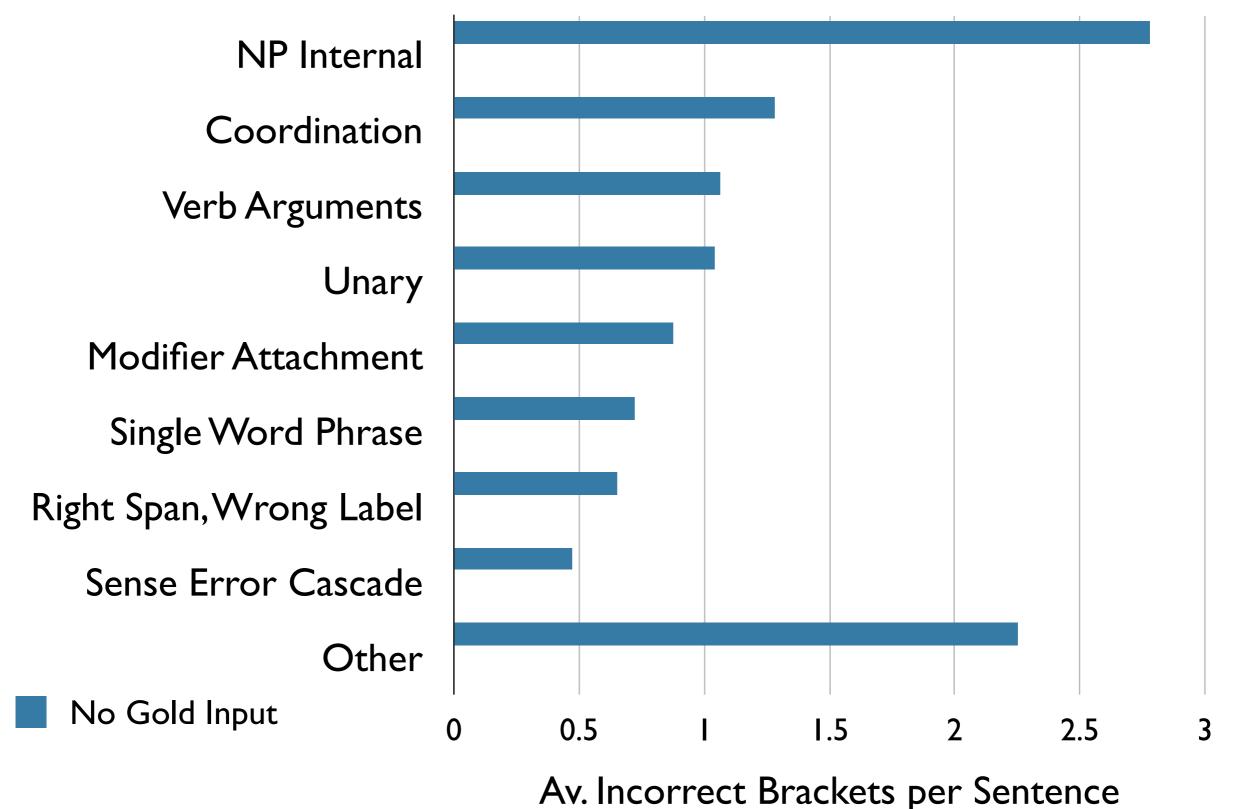












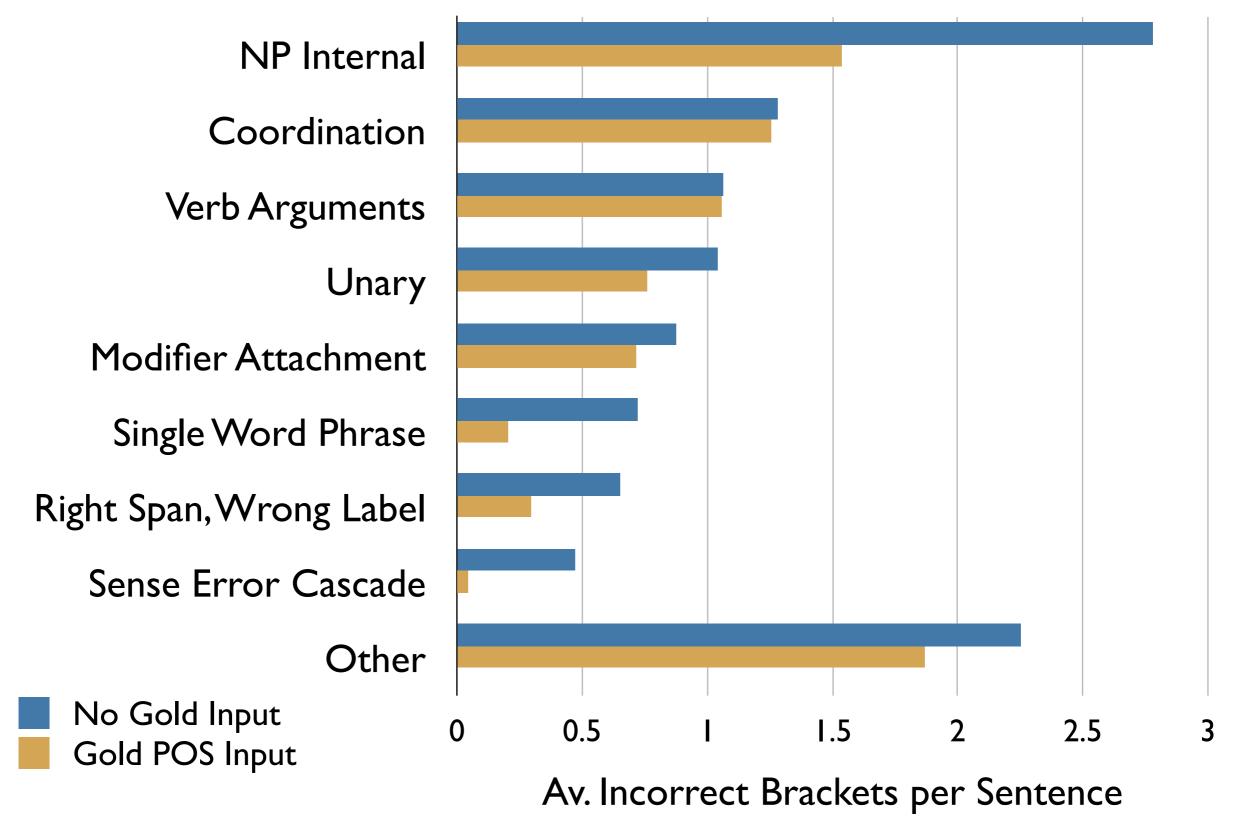


计划 在 星期六 晚 的 阿拉法特 、 佩雷斯 会晤 …

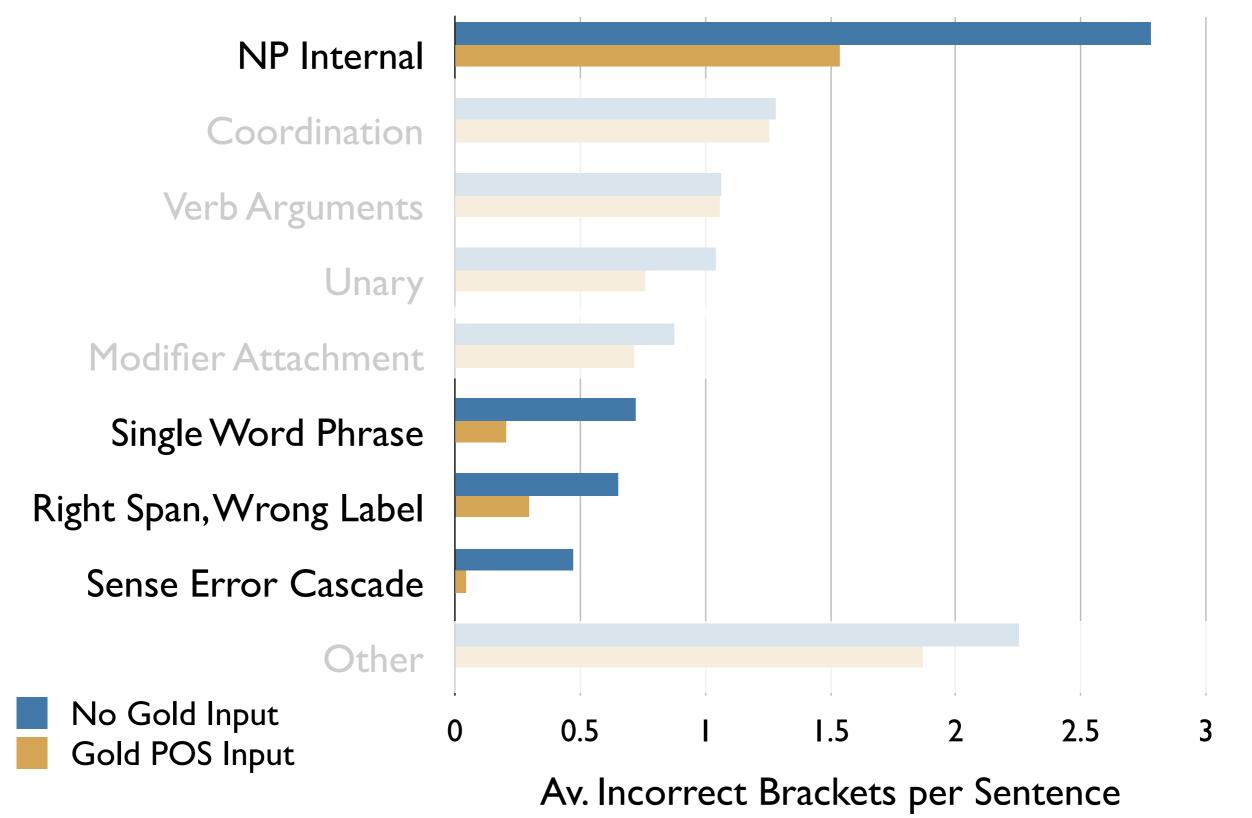


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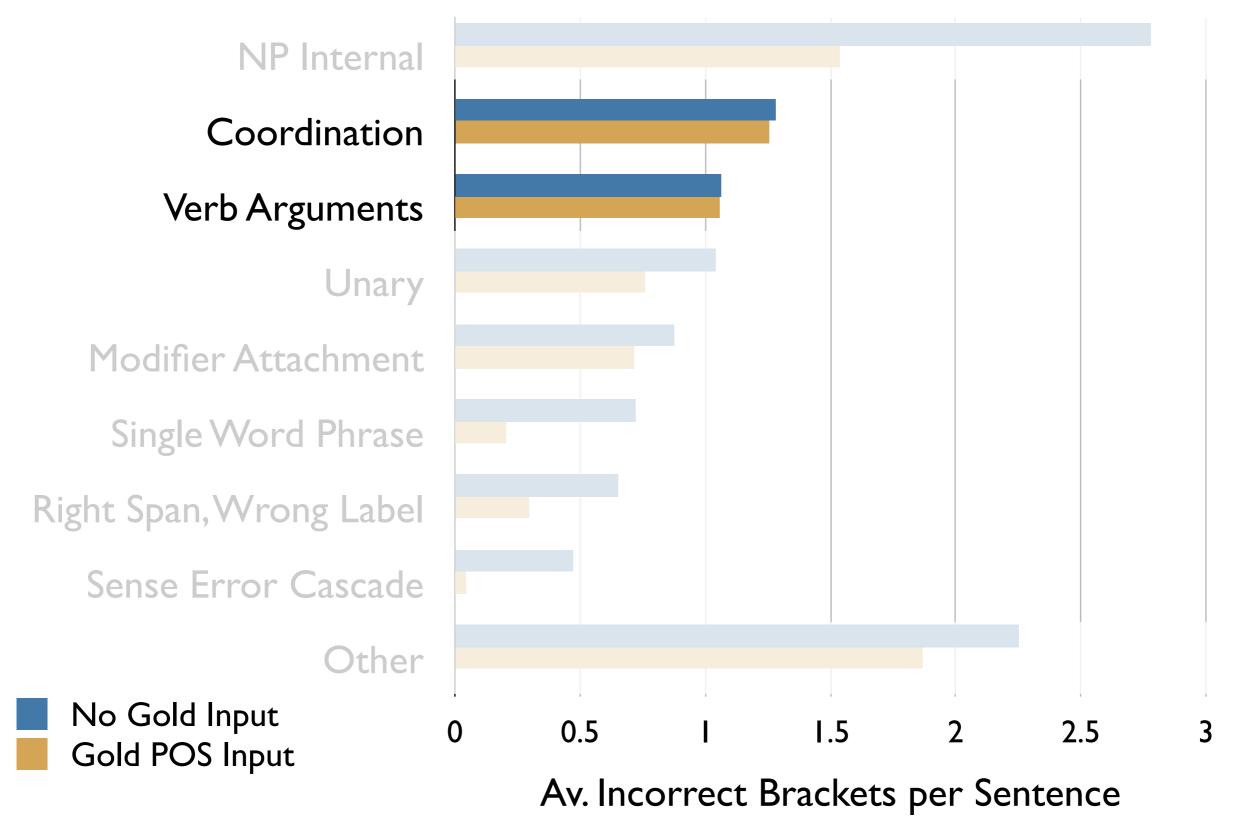












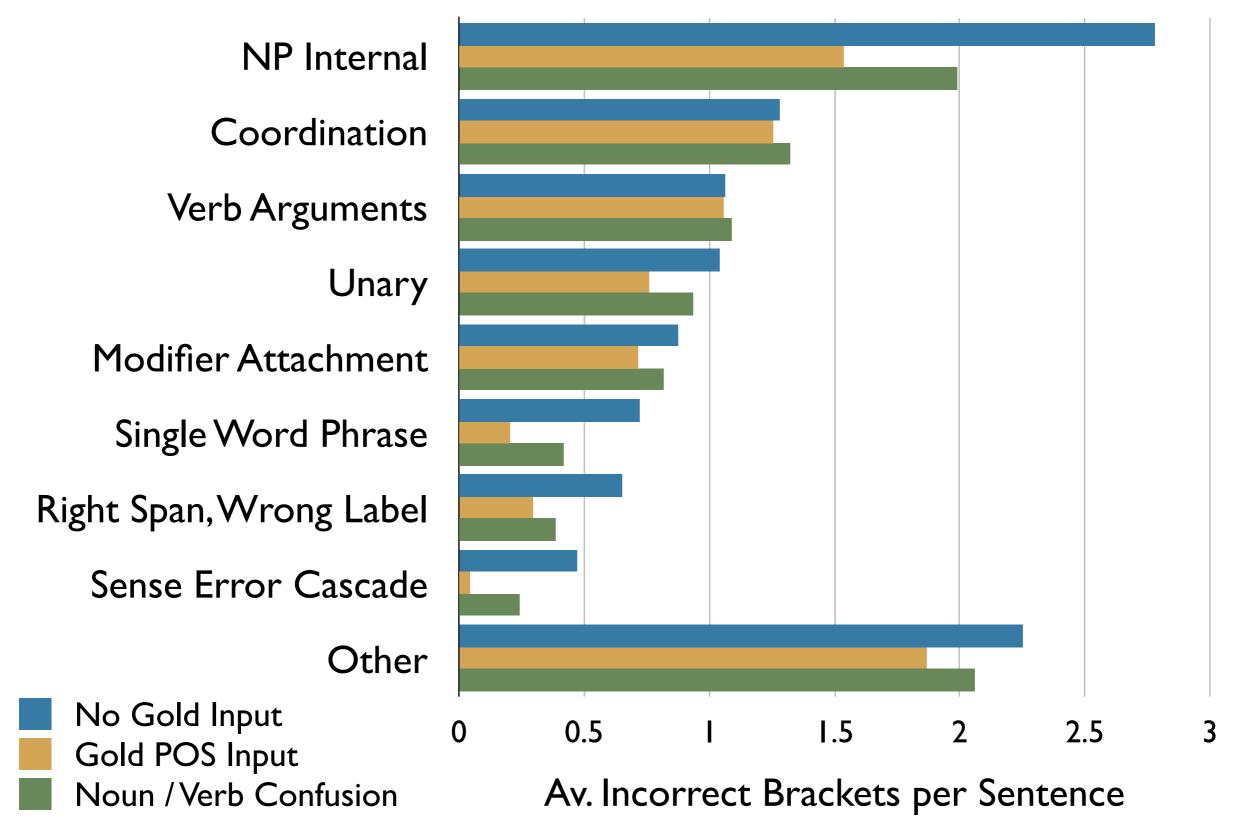


VV VV NT NT DEC NR PU NR NN 计划 在 星期六 晚 的 阿拉法特 、 佩雷斯 会晤 "



NN VV NT NT DEC NR PU NR VV 计划 在 星期六 晚 的 阿拉法特 、 佩雷斯 会晤 "









Quantitative validation that Chinese and English parsers deal with different challenges



- Quantitative validation that Chinese and English parsers deal with different challenges
- Perfecting Chinese POS Tagging will only solve certain parsing challenges



- Quantitative validation that Chinese and English parsers deal with different challenges
- Perfecting Chinese POS Tagging will only solve certain parsing challenges
- Download our automatic analysis tool: nlp.cs.berkeley.edu/software



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Thank you!