



Introduction

- Parsing in L1 is incremental and anticipatory
 - using semantic [1], pragmatic [2], and syntactic information [3]
- Processing in L2 seems different [4], but what drives differences in L1 vs L2 parsing?
 - Language specific differences?
 - General differences in the nature of processing?

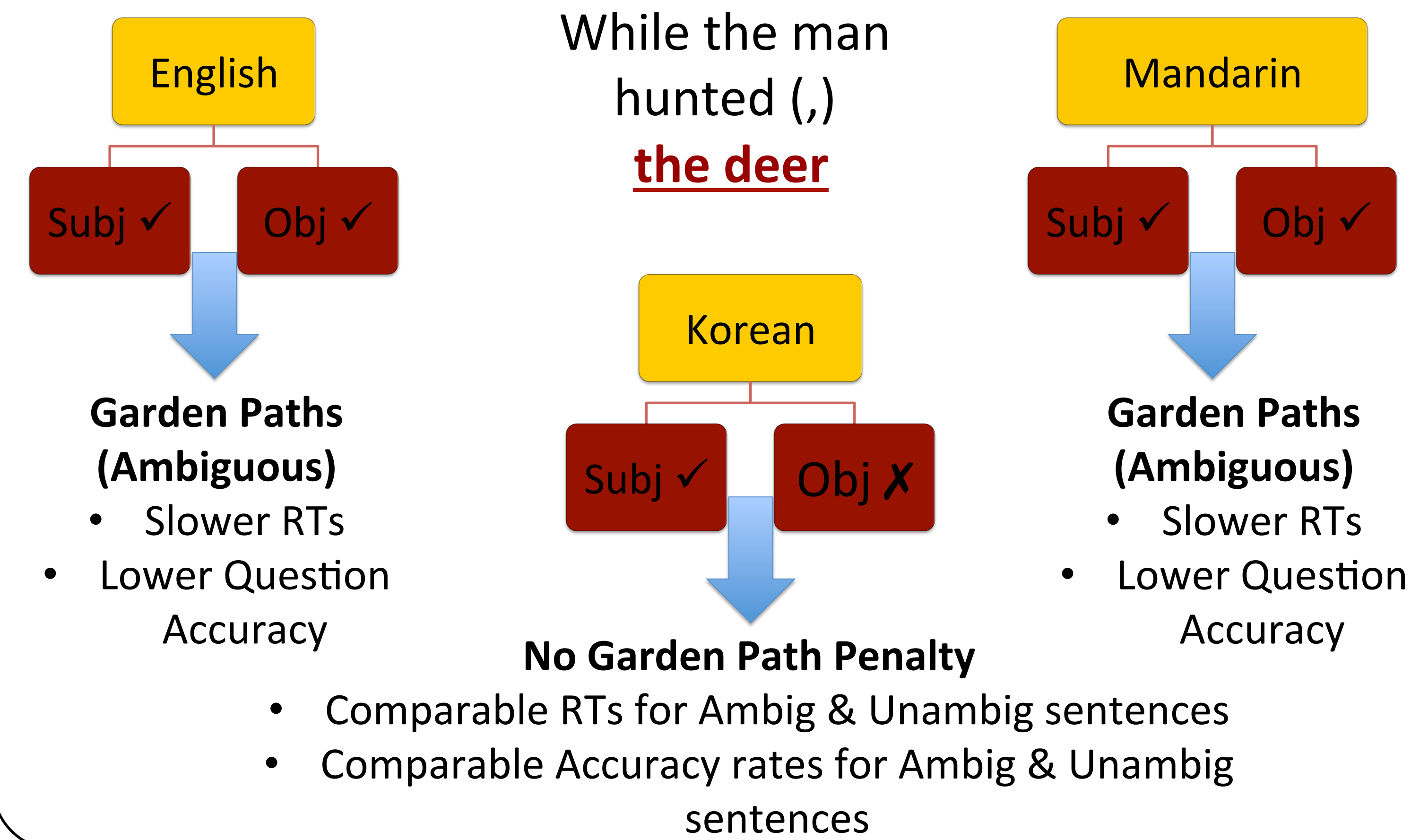
Research Question

Do L1 syntactic characteristics, like word order, affect online processing expectations in an L2?

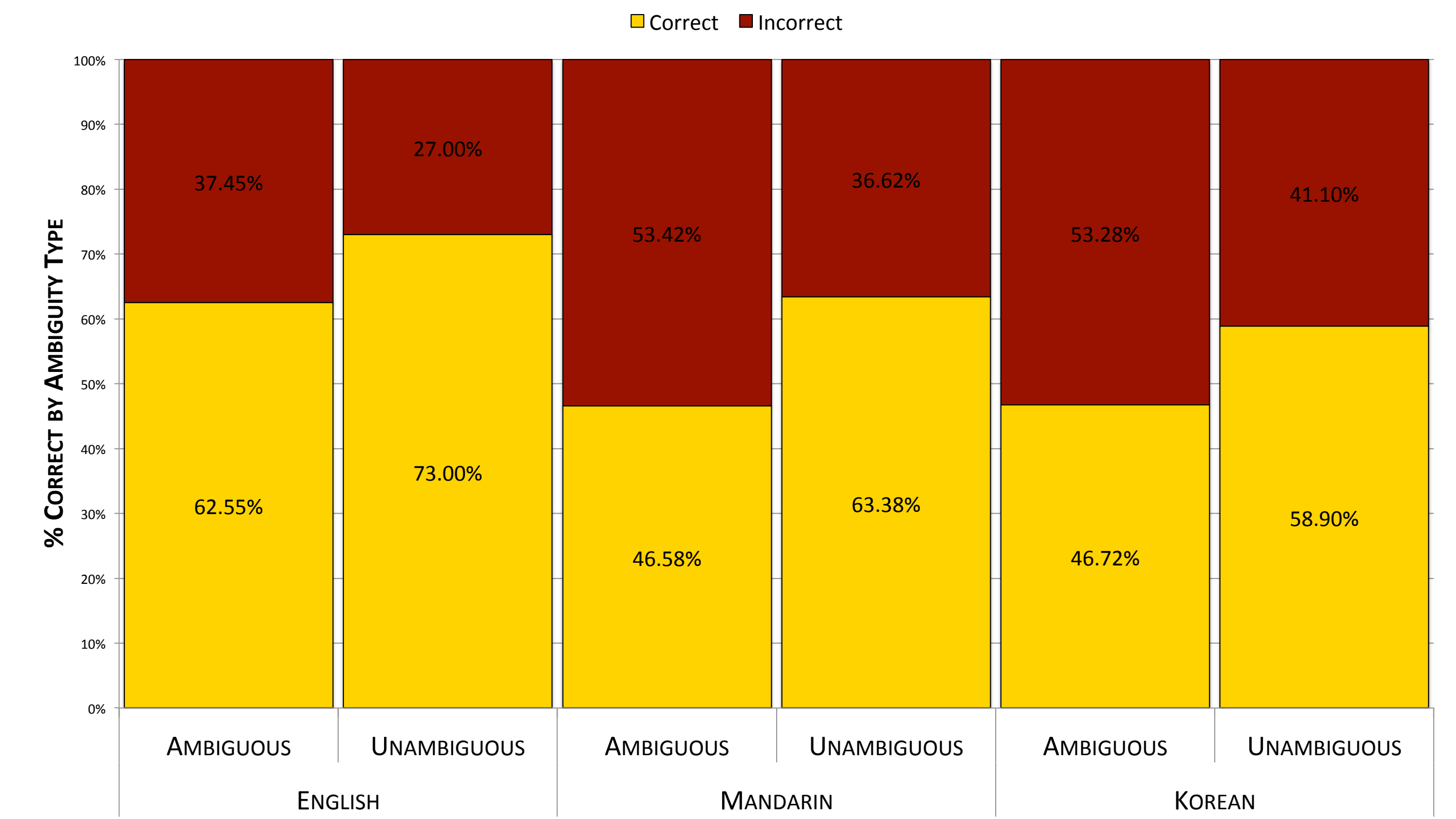
Self-Paced Reading Study

- 24 Targets; 48 Fillers
- Lingering Garden Path Sentences [5]?
While the man hunted (,) the deer ran into the woods near the house.
- 2 Comprehension Question Types
 - **Main Clause:** Did the deer run through the woods?
 - **While-Clause:** Did the man hunt the deer?
- 2 Verb Types
 - **Optional Transitive:** Null, Inferred Object (e.g. hunt)
 - **Reflexive Absolute Transitive:** Null, referential Object (e.g. bathed)
- Participants
 - **Native English** (n=20) Avg Cloze: 22.25/25
 - **L1 Mandarin/L2 English** (n=24) Avg Cloze: 18.8/25
 - **L1 Korean/L2 English** (n=20) Avg Cloze: 18.5/25

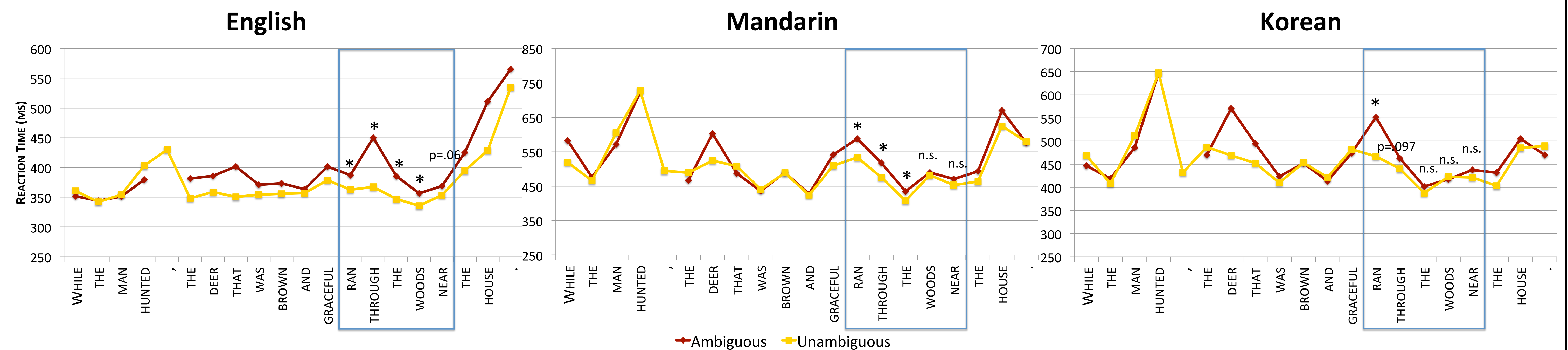
Hypothesis & Predictions



Question Accuracy Results



Reaction Time Results



- In ambiguous conditions, slow down at disambiguating verb for all languages
- Effect of Ambiguity lasts longer for native English speakers: both Mandarin and Korean speakers' RTs in Ambiguous sentences converge towards Unambiguous sentences faster
- Both Mandarin and Korean speakers "recovered" from misinterpreted garden paths faster than English speakers did

Conclusions

- Korean speakers were not using Korean SOV order to guide expectations. They built expectations based on English SVO order and had to reanalyze at the disambiguating verb.
- L2 processor's weaker commitment to the parse may facilitate faster restructuring [6]. L1 speakers build stronger expectations about (larger amounts of) upcoming structure