



The semantics of exceptives

Exceptive phrases (EPs) asymmetrically entail negatively-restricted relative clauses (NRRs):

(1) Everyone except the altos sang.

(2) Everyone who is not an alto sang.

What else do EPs convey?

$$Q[A] \text{ exceptive } C \text{ } P := Q[A - C] \text{ } P + [?]$$

Negative implications

The negative condition (Moltmann 95):

“Applying the predicate to the exceptions yields the opposite truth value from applying the predicate to nonexceptions” (p.225)

○ The uniqueness condition (von Fintel 93):  
 $[?] = \forall S(Q[A - S]P \rightarrow C \subseteq S)$

○ Strong interpretation (Peters/Westerstahl 06):  
 $[?] = Q[A \cap C]\neg P$

(3) Everyone except the altos sang.  
⇒ All altos did not sing.

○ Weak interpretation:  $[?] = \neg Q[A \cap C]P$

(4) Everyone except the altos sang.  
⇒ A subset of altos all did not sing.

Challenges from empirical data

Exceptions that might not be exceptions:

(5) “No one except he and his accountants know [his net worth]. He might not even know!”

(6) “He has endeared himself to everyone, except possibly the mailmen.”

Strong interpretation odd, weak ok:

(7) “[Andy Burt . . . noted that] few people except locals fish the reservoir . . .”

! Few locals do not fish the reservoir (strong)

✓ Some locals fish the reservoir (weak)

Strong interpretation ok, weak odd:

(8) “Few people except my wife know how lazy I am.”

✓ Few people who are my wife don’t know how lazy I am. (strong)

?? It’s not the case that few people who are my wife know how lazy I am. (weak)

Prior results for unless

Nadathur & Lassiter 2014:

○ experiment on quantified unless-conditionals

○ a strong negative condition is not supported

○ sensitive to a not across the board condition

$$Q[A]M \text{ unless } R$$

$$Q[A \cap R] \neg M$$
$$\neg Q[A \cap R]M$$

(9) Everyone passed, unless they skipped class.  
All non-skippers passed and not all skippers passed.

Conjecture: exceptives will pattern with unless under every and no

Design (Amazon MTurk)

○ forced choice T/F

○ variable: percent of target marbles with dots, EP position

○ 176 participants, native English speakers

○ 48 items per participant: 24 test, 24 fillers/controls

Target sentences (high EP):

Every/No marble . . .

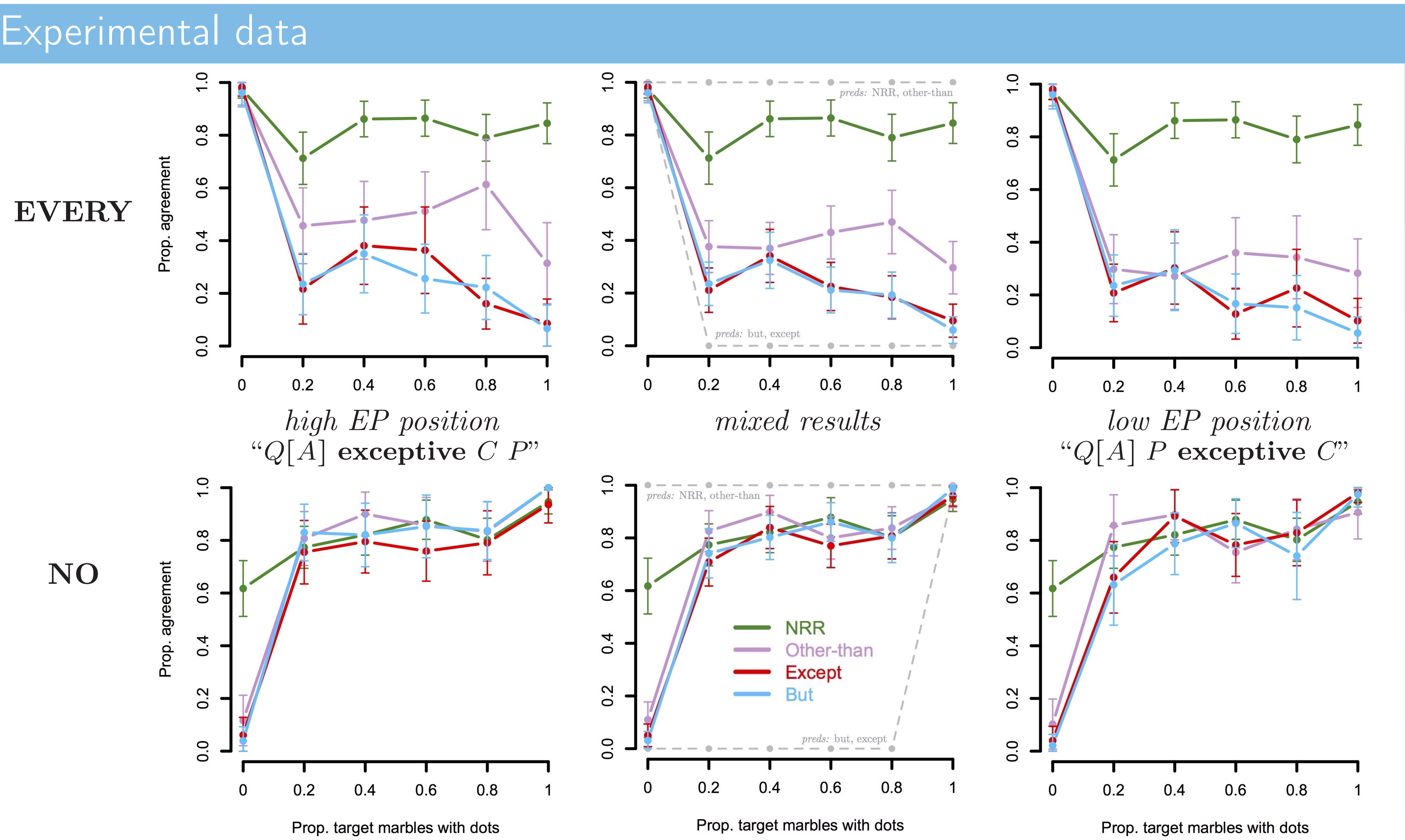
that is not blue has a dot. [NRR]

other than the blue ones has a dot. [other-than]

except/but the blue ones has a dot. [except][but]

Predictions from past accounts

Author	NRR	other than	except/but
Hoeksema 90, Moltmann 95	$Q[A - C]P$	$Q[A - C]P$	strong NC
von Fintel 93	$Q[A - C]P$	$Q[A - C]P$	uniqueness (strong)
Peters/Westerstahl 06	$Q[A - C]P$	-	either strong or weak
Garcia-Alvarez 08	$Q[A - C]P$	sometimes NRR, sometimes strong	strong NC*
Gajewski 13	$Q[A - C]P$	-	uniqueness (but)
Hirsch 16	$Q[A - C]P$	optionally strong	uniqueness(but)
Nadathur/Lassiter (current)	$Q[A - C]P$	weak	weak



Interpretation

○ results under no only consistent with weak NC:  
 $[?] = \neg Q[A \cap C]P$  (other-than, except, but)

○ tend towards strong NC under every; but not supported as entailment

○ new, gradient pattern of exceptives under every doesn’t appear under no

○ other than similar to exceptives

○ other than may show variation with EP position

Conclusions

○ weak NC part of exceptive meaning

○ strong NC is an extra (pragmatic?) inference

○ defeat instances of generalization ( $Q[A]P$ ; G-A)?

○ every gradient associated with pragmatic reasoning about EP alternatives

○ quantifier polarity interaction with inferences licensed by generalizations

○ other than is a (weak) exceptive

○ other than: stronger exceptionality of low position a property of ‘free’ EPs?

Future directions

○ empirical data (7-8) suggest EPs compatible with non-universal Q: does weak NC hold up?

○ NC may reflect a ‘salient difference’ condition

○ what happens with quantified exceptions?

(10) “No one except most of the natives wants the good old days of colonialism to end.”

○ exception strength and EP height correlated?

Selected references

1. von Fintel '93, Exceptive constructions, NLS

2. Hirsch '16, An unexceptional semantics for expressions of exception. 39th PLC

3. Hoeksema '90, Exploring exception phrases, 7th AC

4. Gajewski '13, An analogy between a connected exceptive phrase & polarity items, Beyond 'Any' and 'Ever'.

5. Garcia-Alvarez '08, Generality & exception, Stanford PhD

6. Moltmann '95, Exception sentences, L&P

7. Nadathur & Lassiter 2014, Unless: an experimental approach, SuB 19

8. Peters & Westerstahl '06, Quantifiers in Lg.&Logic