

Language and thought Day 5: How do we decide between linguistic theories?

Wenkai Tay

UCL Linguistics Short Courses 2024

29 Nov 2024



taywenkai.com

Outline



1 Recap

2 Resultatives

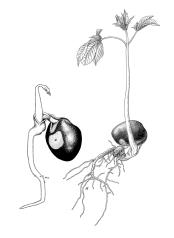
3 Puzzle

4 Decompositional vs projectionist approaches

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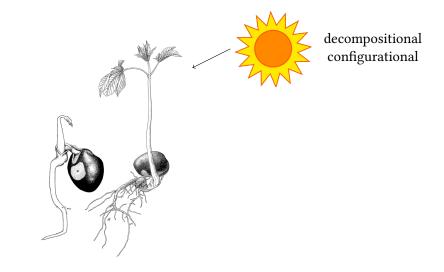
Two approaches to argument structure





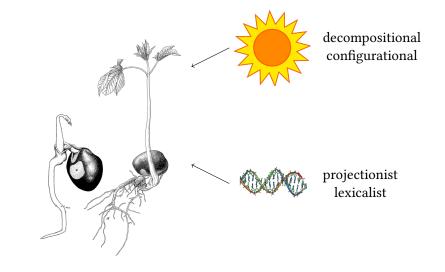
Two approaches to argument structure





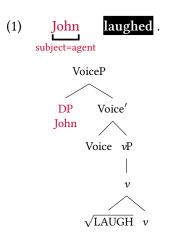
Two approaches to argument structure

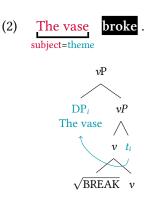




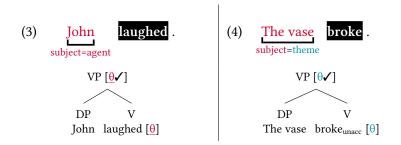
Decompositional approach: intransitive verbs





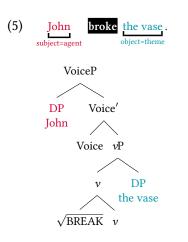


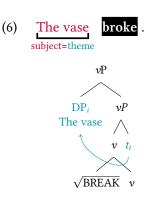
Projectionist approach: intransitive verbs



Decompositional approach: causative alternation

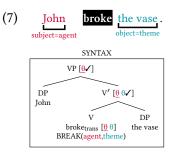


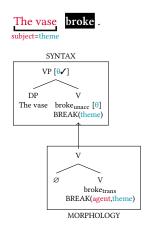




Projectionist approach: causative alternation







(8)

Scientific method



Question \downarrow Hypothesis \downarrow Prediction \downarrow Experiment

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Language and thought 5

29 Nov 2024 8 31

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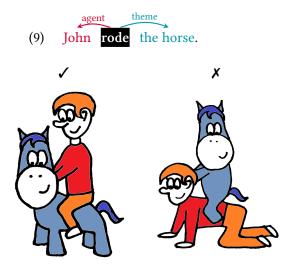
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Language and thought 5

29 Nov 2024 9 31

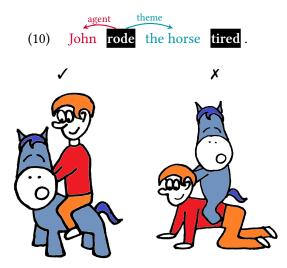
Argument structure





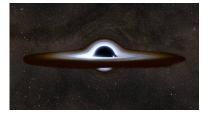
Argument structure of resultatives





Theoretical linguistics







Resultatives



(11) John rode the horse.

Resultatives



(11) John rode the horse.

(12) John rode the horse tired.



- (11) John rode the horse.
- (12) John rode the horse tired.
 - = John <u>caused</u> the horse to <u>become</u> tired by riding it.



- (11) John rode the horse.
- (12) John rode the horse tired. \approx John rode-tired the horse. = John caused the horse to become tired by riding it.



- (11) John rode the horse.
- (12) John rode the horse tired. \approx John rode- \emptyset -tired the horse. = John caused the horse to become tired by riding it.

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29 Nov 2024 14 31

Puzzle



In English, a verb projects the same obligatory arguments in simple sentences and in resultatives.





In English resultatives, a verb cannot omit an obligatory agent...





In English resultatives, a verb cannot omit an obligatory agent...



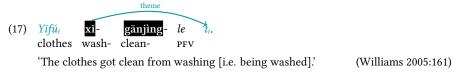
or an obligatory theme.



Puzzle



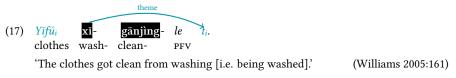
In Mandarin V-V resultatives, the first verb (V1) can omit its agent...



Puzzle



In Mandarin V-V resultatives, the first verb (V1) can omit its agent...



or its theme.

(18) <u>Lǎo Wèi qiē</u>- <u>dùn</u>- le càidāo. Lao Wei cut- dull- PFV knife

'Lao Wei made the knife dull by cutting something.' (adapted from Williams 2005:61)

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Decompositional vs projectionist approaches



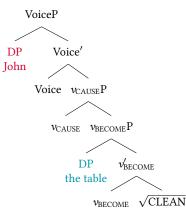
(19) *John cut the knife dull.

(20) *Lǎo Wèi qiē-dùn-le càidāo*. Lao Wei cut-dull-PFV knife

'Lao Wei made the knife dull by cutting something.'

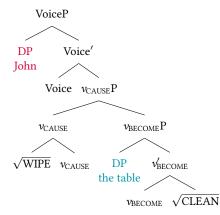
(adapted from Williams 2005:61)

(21) John cleaned the table.



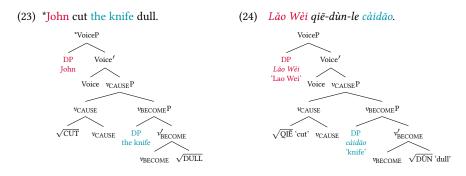


(22) John wiped the table clean.



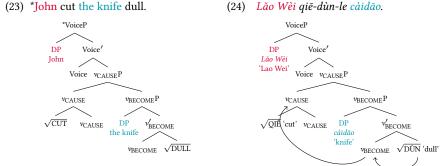






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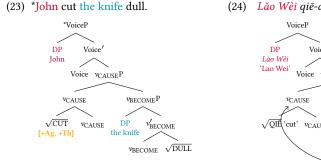




Lǎo Wèi qiē-dùn-le càidāo.

 v'_{BECOME}





Lǎo Wèi qiē-dùn-le càidāo.





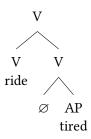
- (25) John rode the horse.
- (26) John rode the horse tired. \approx John rode- \emptyset -tired the horse.

complex predicate = John caused the horse to become tired by riding it.



(25) John rode the horse.

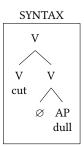
(26) John rode the horse tired. ≈ John rode-Ø-tired the horse. = John caused the horse to become tired by riding it.





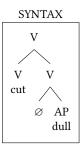
(27) *John cut the knife dull.

(28) Lǎo Wèi qiē-dùn-le càidāo.

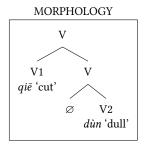




(27) *John cut the knife dull.

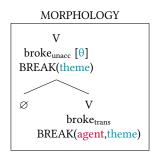






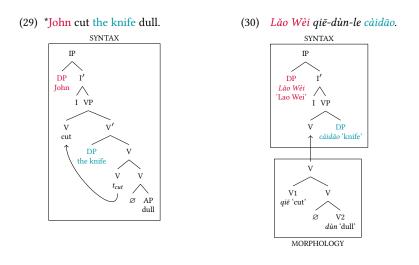
Projectionist approach





Projectionist approach





Decompositional vs projectionist approaches



(31) *John cut the knife dull.

(32) *Lǎo Wèi qiē-dùn-le càidāo*. Lao Wei cut-dull-PFV knife

'Lao Wei made the knife dull by cutting something.'

(adapted from Williams 2005:61)

Choosing between theories



Choosing between theories



• There are some theories that cannot be correct.



- There are some theories that cannot be correct.
- If there is no evidence against a theory, why not live as if it the theory is true?









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- There must be a procedure to link event participants to syntactic arguments.





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- Two competing theories: decompositional vs projectionist approach.





- Language reflects the way we think about the world –in terms of events, causation and participants.
- There must be a procedure to link event participants to syntactic arguments.
- Two competing theories: decompositional vs projectionist approach.
- Research into resultatives allows us to decide between these two theories.

Feedback





Next steps



Next steps



- I highly recommend Levin (2013), especially the articles listed in the section on "General Overviews".
 - Comrie (1993) and Andrews (1988) go over what we discussed in greater detail.
 - Chapter 5 of Butt (2006) provides overviews of various linking theories: Jackendoff's lexical decomposition, Dowty's proto-roles, Kiparsky's linking theory which developed into Wunderlich's lexical decomposition grammar, and lexical functional grammar (LFG).

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- Reinhart (2002) works out a set of linking rules: the Theta System.
 See Part 1 and the Appendix.

References I

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 Reinhart, Tanya. 2002. The theta system - an overview. Theoretical Linguistics 28:229–290.
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