Construction

#3302 035

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Examples

Definition

Applications

The firefighter cut the man.

slido

The firefighter cut the man free.

Firefighters cut the man free ... (BNC W_newsp_other_report K55)

Argument Structure Constructions

a. Resultative construction:
FORM: $[SBJ_1 \ V_4 \ OBJ_2 \ OBL_3]$
$\leftrightarrow$ MEANING: 'Agent$_1$ causes Patient$_2$ to become State$_3$ by V$_4$-ing'

b. Verb-Specific *cut*-construction
FORM: $[SBJ_1 \ CUT_3 \ OBJ_2] \leftrightarrow$ MEANING: 'cut$_3$(cutter$_1$, cut.object$_2$)'

c. FIREFIGHTER-construction:
FORM: *firefighter* ['faɪəfaɪtə] $\leftrightarrow$ MEANING: 'firefighter'

d. PLURAL-N-construction
FORM: $[N_1\text{-}\{S\}_2] \leftrightarrow$ MEANING: 'PLURAL$_2$(N$_1$)'

e. Definite-NP-construction[4]
FORM: $[ðə_1 \ (PREM_3) \ N_2 \ (POM_4)] \leftrightarrow$ MEANING: 'DEFINITE$_1$(MOD$_4$(MOD$_3$(N$_2$))))'

f. *man*-SG-construction:
FORM: *man* ['mæn] $\leftrightarrow$ MEANING: 'SINGULAR(man)'
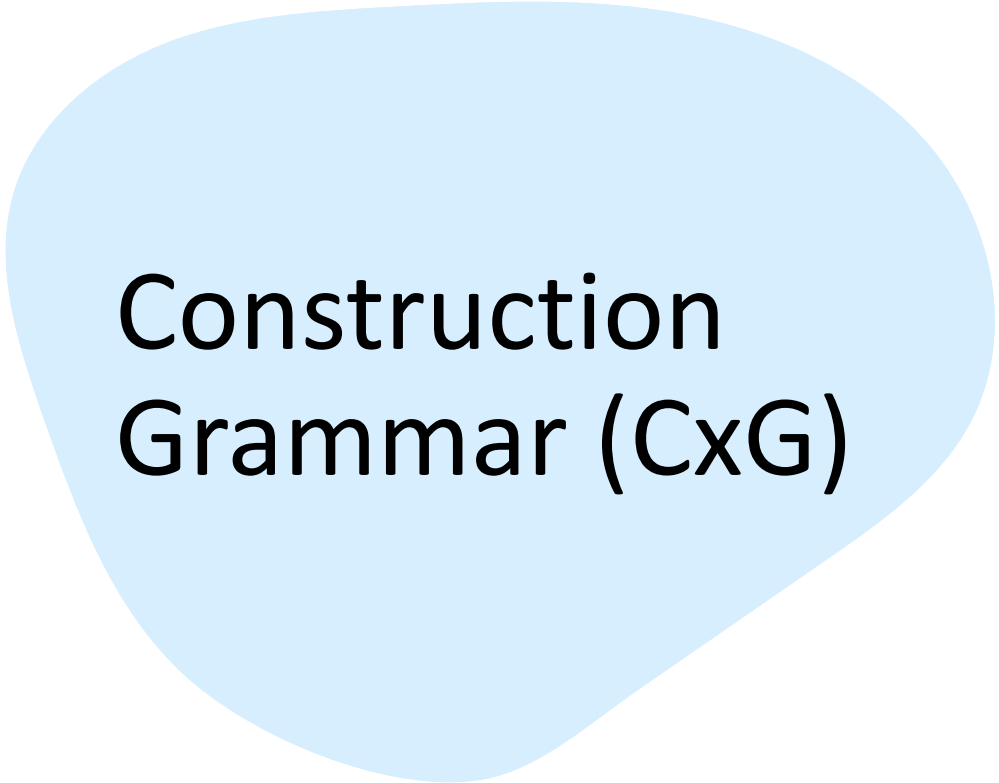
g. *free*-constructions
FORM: *free* ['fɹiː] $\leftrightarrow$ MEANING: 'free'
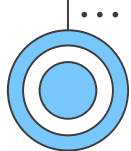
slido

What type(s) of construction are used?

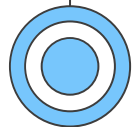ⓘ Start presenting to display the poll results on this slide.
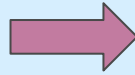
Construction Grammar (CxG)

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Cxs differ for their degree of schematicity:

- morphemes (e.g.,pre-, -ing)

- complex words (e.g., daredevil)

- filled or partially-filled idioms

  (e.g., give the devil his dues or Jog (someones) memory)

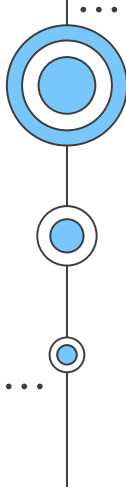- more abstract patterns ditransitive Cxs [Subj V Obj1 Obj2])

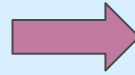High frequency token input ➡ More abstract schematic superordinate construction

Mental Entrenchment
(domain-general cognitive processes):
categorization/chunking/analogy/cross-modal association
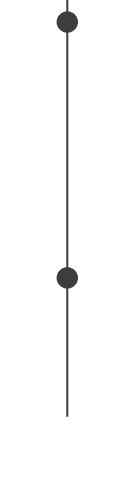
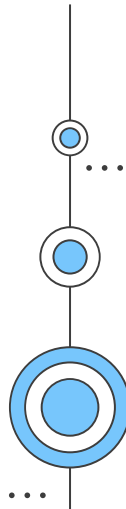**a-judge-found-him-guilty-construction**

High frequency token input → More abstract schematic superordinate construction
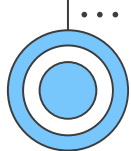
He drank himself silly.

Mental Entrenchment
(domain-general cognitive processes):
categorization/chunking/analogy/cross-modal
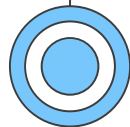association

Construction Grammar (CxG)

Cxs differ for their degree of schematicity:

- High frequency
- [Several slots to fill in](#)
- Non-compositional

🤯

貴到爆(´•̥̥̥×•̥̥̥`)

How to capture constructions?

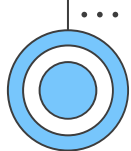|						
['厚顏無恥集體秀下限的國家特許電信商'	1	說遠傳主導是在秀下限喔'	1	一定會有貪小便宜秀下限想要鑽漏洞的客人樓主說台灣鯛是能占用戶的幾'	1	不懂別秀下限了'
['不然問哪個是問心酸'	1	現在只有送心酸'	1	沒有5g看這不是看心酸'	1	辦心酸的喔'
['各家都拿高資費來敲盤子顆顆'	1	遠傳台哥是敲盤子喔'	1	根本敲盤子'	1	這合約分明敲盤子'
['慢到快吐血'	1	聽到快吐血'	1	用到吐血'	1	看到吐血'

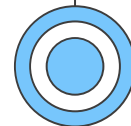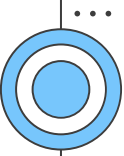# Regular Expression
Word Embedding

Possible Applications

Construction and Sentiment

Multimodality Construction
- A typical "image macro" meme consists of three elements:
  - Background image
  - Top text (TT): formulaic and easily recognizable
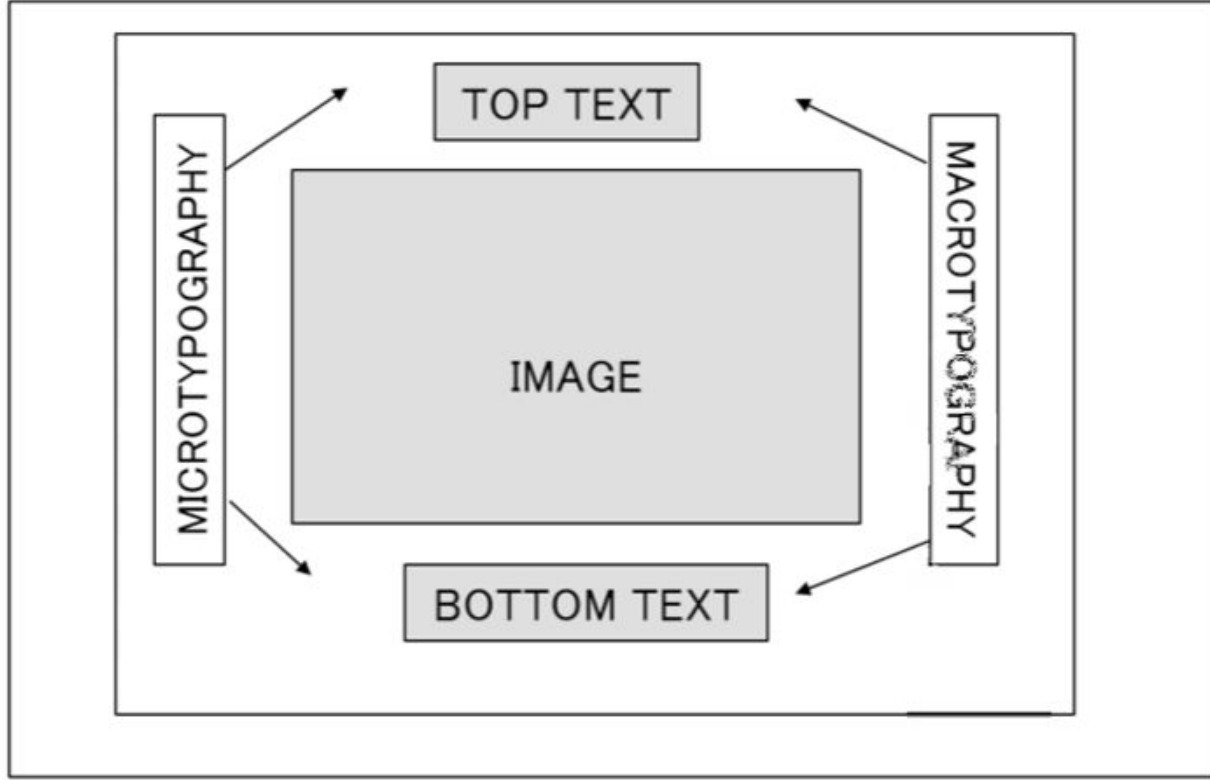 - Bottom text (BT): delivers 'the punch line' of the meme

Fig. 4: The prototypical image macro as multimodal construction

"Your Facebook status really made me change my political views." Said no one ever.

someecards
user card

Discourse Viewpoint Space:

What people say on Facebook has no influence on other people's opinions

Discourse Space 2:

speaker MM (meme maker)

addressee MV (meme viewer)

said no one ever

Discourse Space 1:

speaker MC
(meme character)

addressee MM
(in meme-making space)

Your Facebook status really made me change my political views

Discourse Space 1:

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