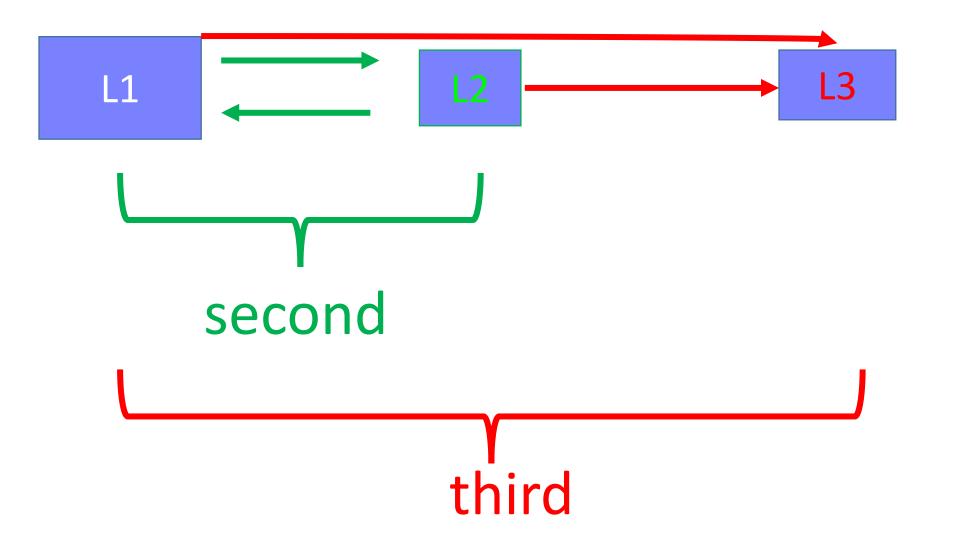
January 30th, 2019

Sentence processing in the trilingual learner: theory and teaching practice

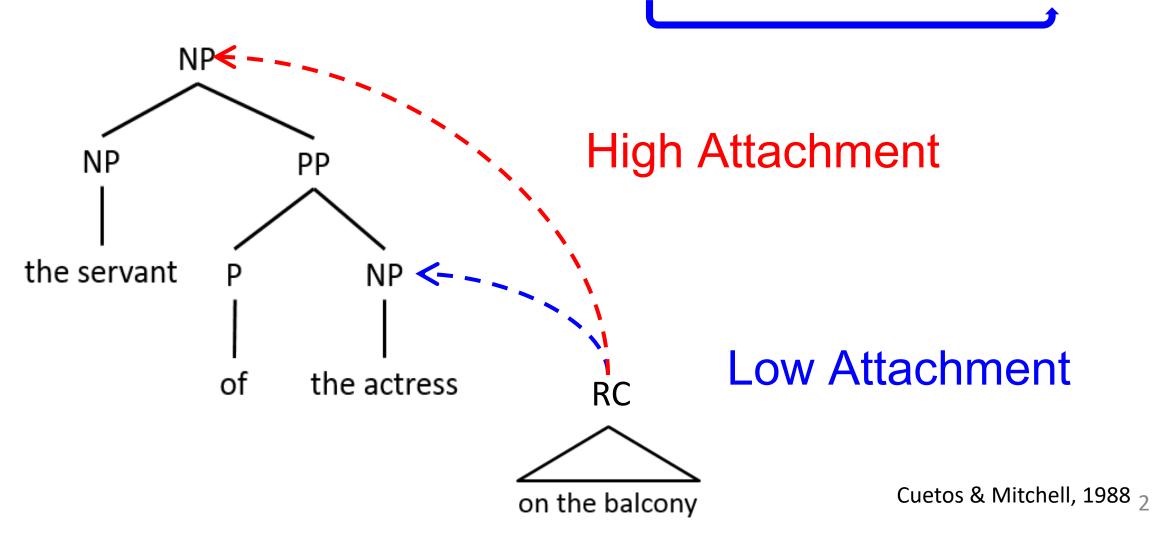


Different processing between second and third language learners

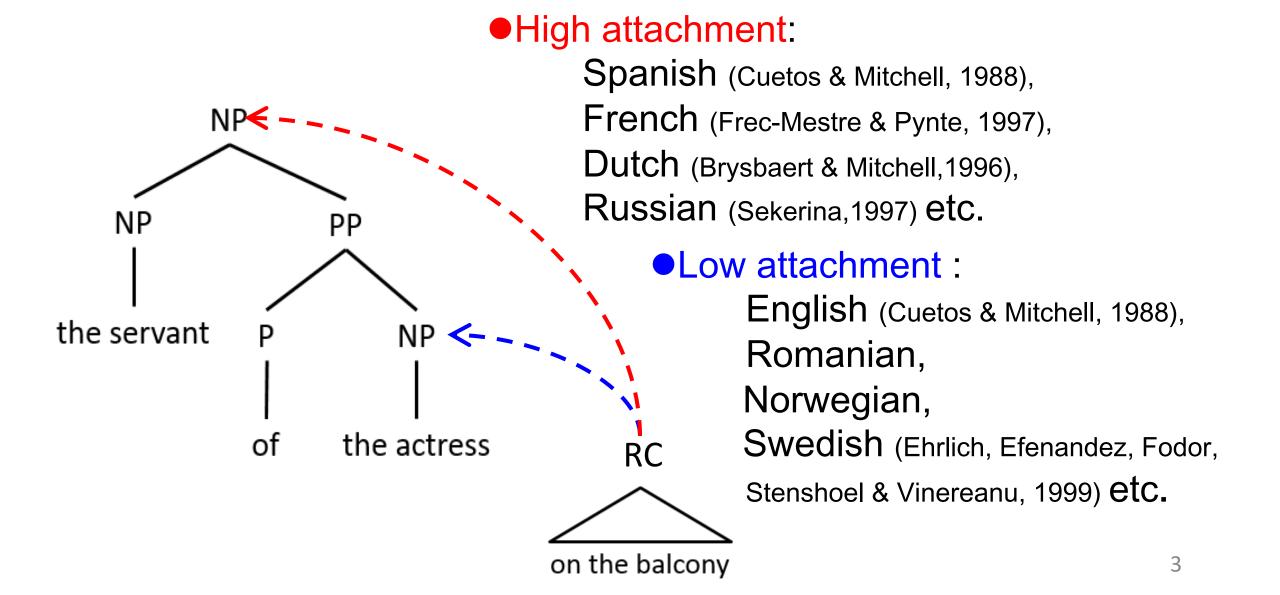


Relative clause Attachment ambiguity

Someone shot the servant of the actress [RC who was on the balcony]



Cross-linguistic differences in attachment preference



Influence of L1 on L2 processing

• Effect of L1 on L2:

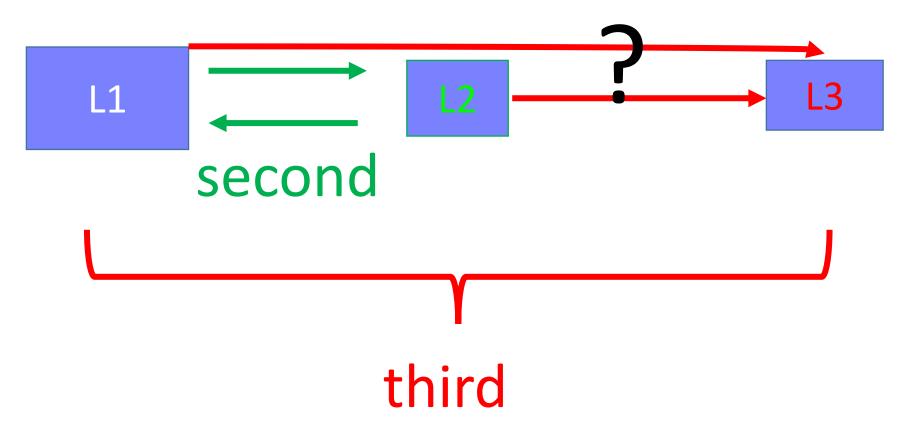
Fernandez, 2002 (questionnaire);

Frenck-Mestre & Pynte, 1997, 2002 (eye – tracking)

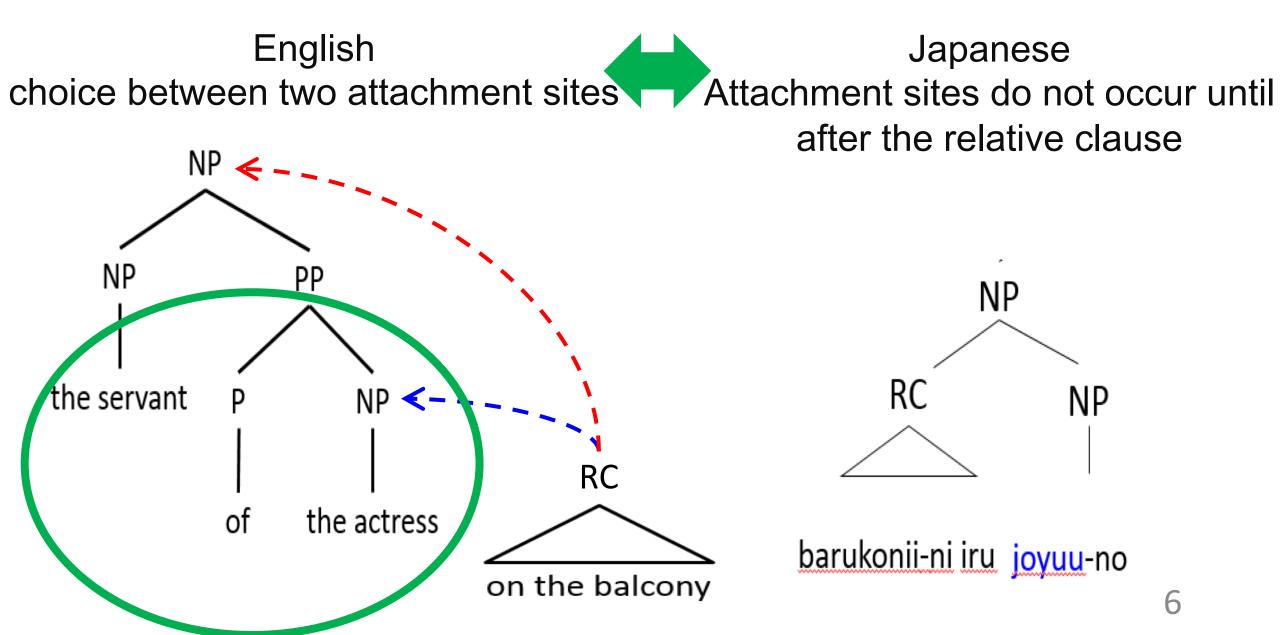
Papadopoulou & Clahsen (2003) (self-paced reading)

Relative clause ambiguity sentence in L3

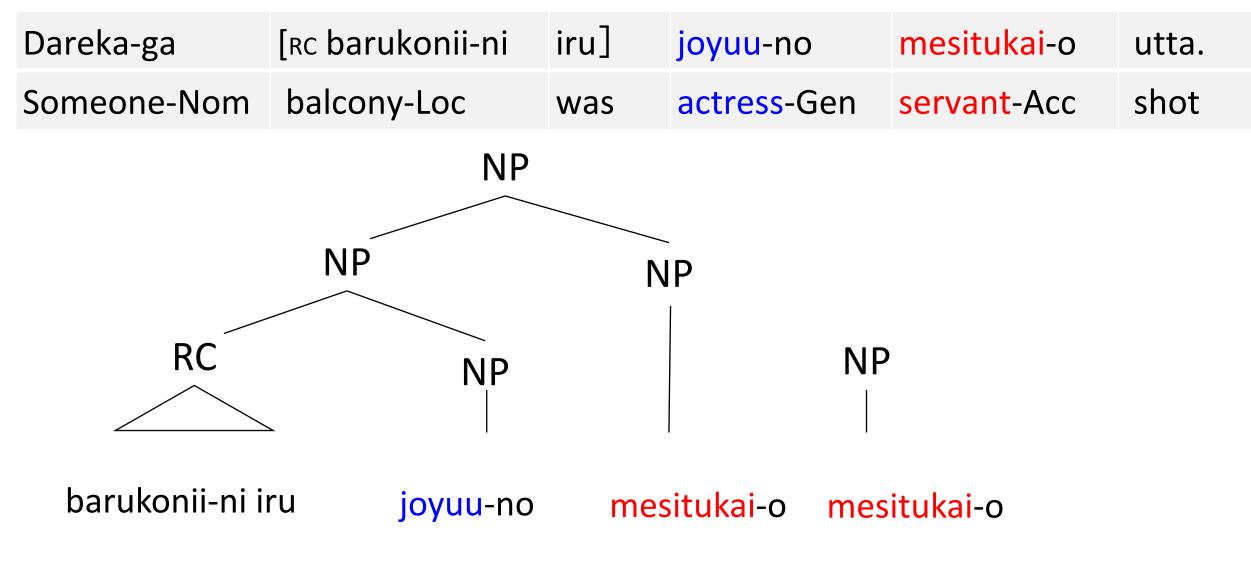
Someone shot the servant of the actress [RC who was on the balcony]

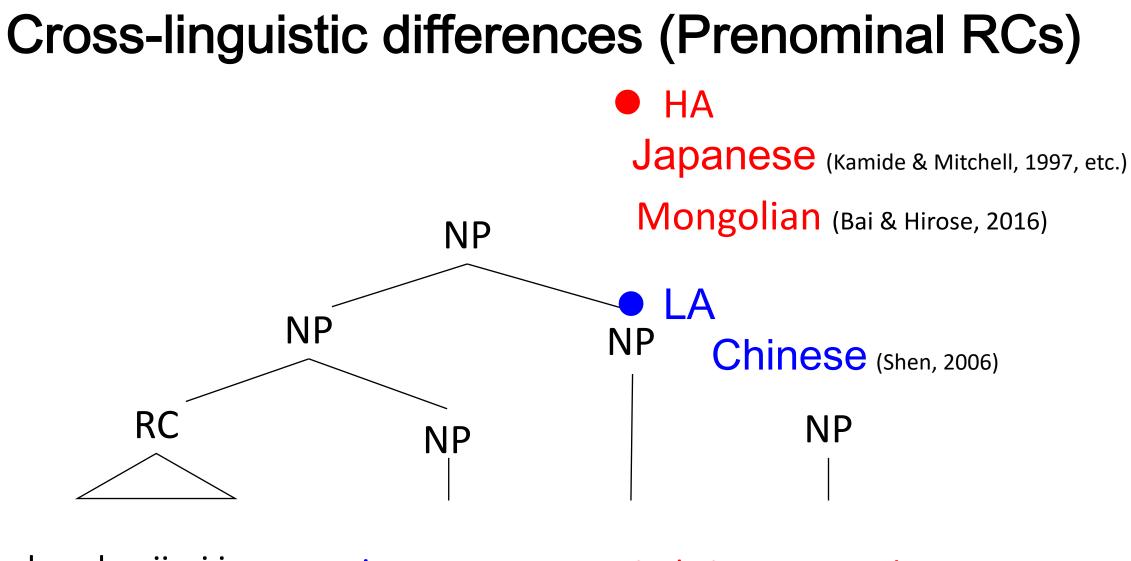


Different word order between English and Japanese



Attachment ambiguity in Japanese





barukonii-ni iru joyuu-no mesitukai-o mesitukai-o

Experiment 1: Verifying L1 attachment preference in Japanese, Chinese and Mongolian

Questionnaire (Japanese): Research method

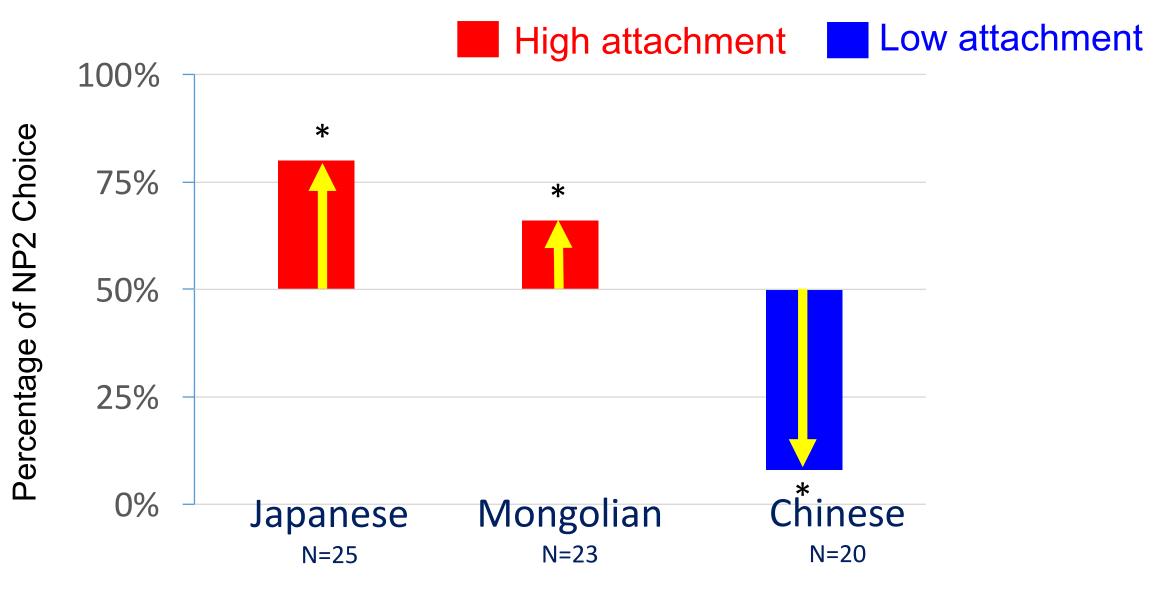
Material (target sentences =16; Fillers =32) × 3languages

yuumei-ninattadanseikyouin-nooneesan-watotemokirei-da.famous-DATbecamemale teacher-GENsister-TOPverybeautiful

Question	Answer (one of the two options)
Dare-ga yuumei-ni natta-ka? "Who became well-known?	A. danseikyouin "male teacher"
	<i>B. oneesan</i> "sister"

All items are translational equivalents in both languages, pre-normed to be plausible in either of the two interpretations in both languages / cultures

Attachment biases for native speakers



Statistical test: Wilcoxon test comparison against 50/50 chance level

Experiment 2: Investigation of influence of L1 on L2 attachment

Do low attachment biases from L1(Chinese) influence L2 (Japanese) processing in L2 learners?

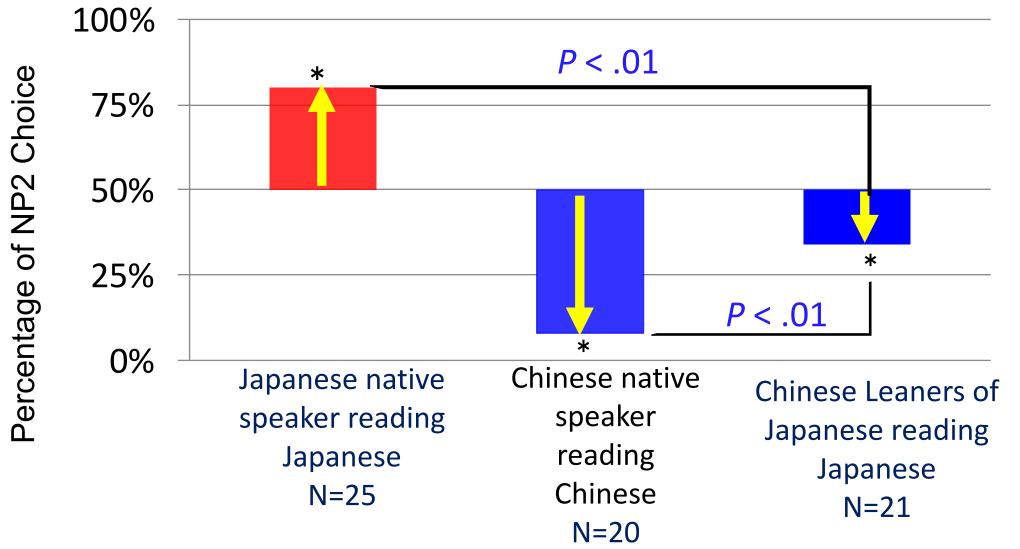
- N = 21(Chinese Learner)
- N =19(Mongolian Learner)
- Proficiency: Intermediate level

N3~N2 (Japanese language proficiency test)

Material

the Japanese version of the questionnaire used in Experiment 1

Attachment biases for Chinese learner



14

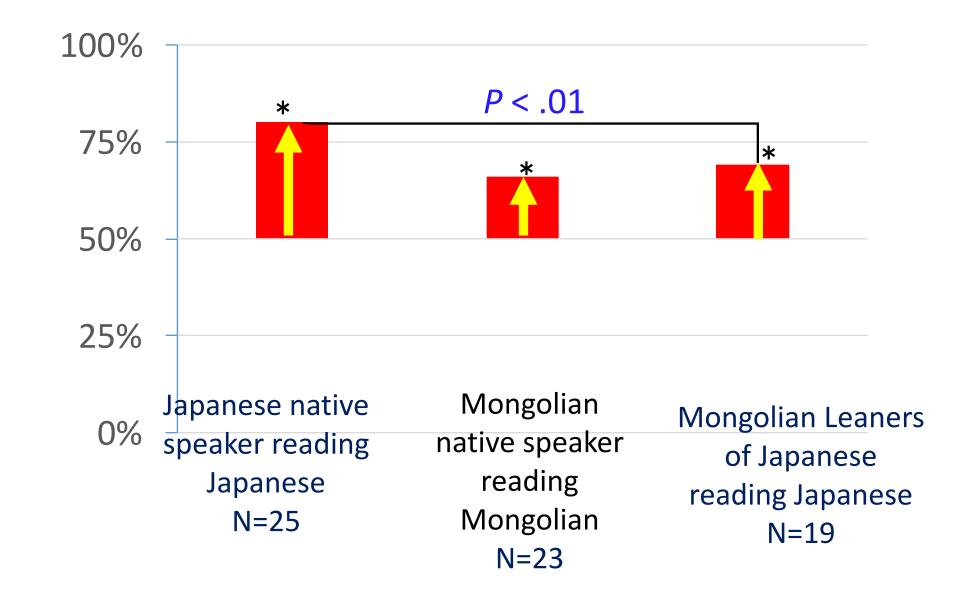
Summary of Chinese learner of Japanese

 Chinese learners of Japanese were more likely to choose low attachment analysis compared to Japanese native speakers in Japanese L1 reading, but less likely to do so than L1 Chinese reading

the attachment preference in L2 learners was hybrid between that of

L1 Chinese and that of L1 Japanese readers

Attachment biases for Mongolian learner



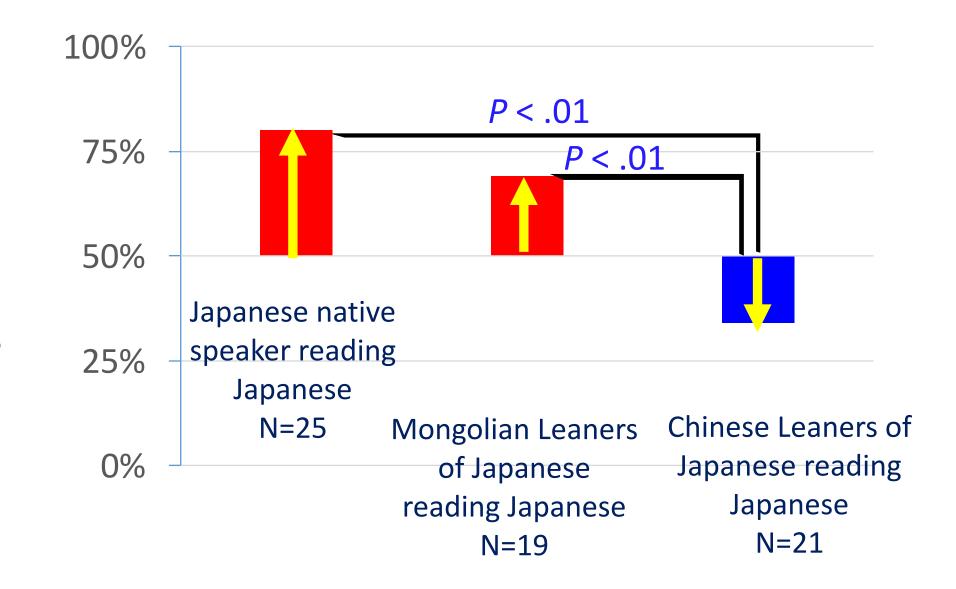
Percentage of NP2 Choice

Summary of Mongolian learner of Japanese

- High attachment preference for Mongolian learners of Japanese, as like as L1 Mongolian, indicates the influence from L1.
- \rightarrow similar preference among L1 and L2 cause the influence from L1 to L2

?

Attachment biases among learners group



Percentage of NP2 Choice



 Learners might be influenced by the similarity of L1 and L2 processing: if the processing is likely to similar among L1 and L2, they might be more influenced by L1. Otherwise, the attachment preference in L2 learners was hybrid between L1 and L2

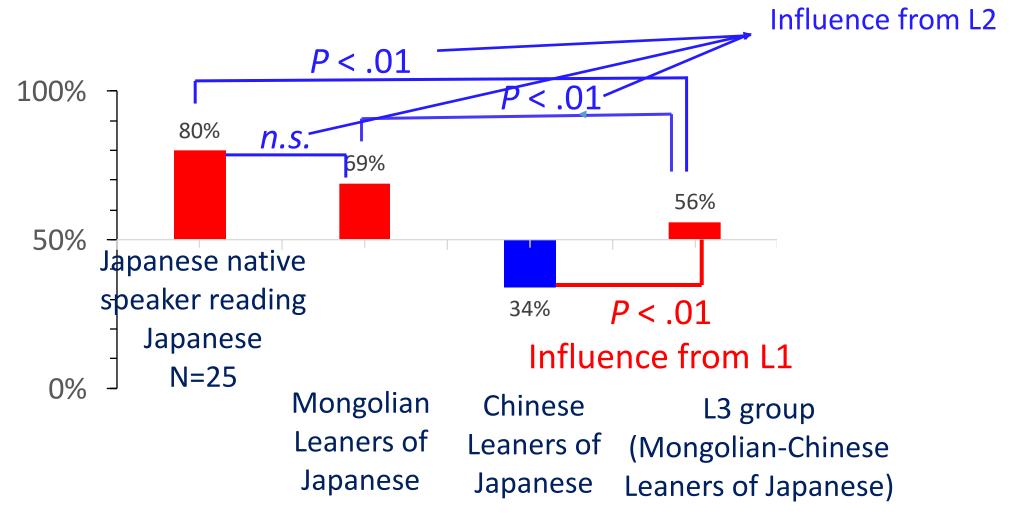
Experiment 3: Investigation of influence of L1 and L2 on L3 attachment

What dose happen on L3 Japanese learner

- N = 24(Mongolian Chinese bilingual Learner of Japanese)
- Proficiency: Intermediate level N3~N2 (Japanese language proficiency test)
- Material

the Japanese version of the questionnaire used in Experiment 1

Attachment biases for L3 learner



Both L1 & L2 influence L3 sentence preference

Discussion

 L3 Learners might be influenced by both L1 and L2, which also might be related to the similarity processing of L3 and other languages which they have already learned: L3 sentence processing may be more strongly influenced by languages which have features in common with L3.

Suggestion related to teaching practice

- SLA: Take native language into account
- TLP take L1 & L2 into account for TLP
- If learners understand the similarities and differences among their L1, L2, and L3, they might acquire relevant grammar points more rapidly and use them correctly.

Thank you for your listening

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Special thanks to Douglas Roland