A structural account on the non-uniform information structure of right dislocation

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Introd	uction		

- Right dislocation (RD) is used as a cover term to describe postposing effects on word order in matrix clauses.
- (1) Right dislocation and Dislocation Copying
 - a. $[_{\mathrm{TP}} \dots \Delta \dots]$ SFP α
 - b. $[_{\text{TP}} \dots \alpha \dots]$ SFP α

Right Dislocation (RD)

Dislocation Copying (DC)

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- Both RD and DC are attested cross-linguistically.
- Despite surface similarities, the information structural status of α varies cross-linguistically.
- The following discussion is based on the Cantonese and Japanese RD.

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Introd	uction		

- α is typically less important, topicalized or defocused (Kuno 1978; Takami 1995; Takano 2014; Lee 2017, 2020)
- Language variation lies on whether α can also receive focus interpretation (Nakawaga, Asao, and Nagaya 2008; Ko 2015; Abe 2019; Lee 2022a).
- What accounts for the variation of information structure in RD?
- I pursue a structural account which rests on the parametric differences of the licensing condition of the Focus Projection.
- (2) The licensing parameter of the Focus Projection
 - a. A FocusP is only licensed by overt complement
 - b. A FocusP is only licensed by *covert* complement



➔ Japanese

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Two ty	pes of right dis	location		

- Compute the constitution in DD can be at alaments that in disease
- Generally, the α-position in RD can host elements that indicate topics, old information, background materials, or defocused/de-emphisized elements.
 - East Asian languages (Kuno 1978; Takami 1995; Takano 2014; Lee 2017; 2020, i.a.)
 - South Asian languages (Butt and King 1996; Dayal 2003; Manetta 2012, i.a.)
 - Germanic languages (Ott and de Vries 2016, i.a.)
- But RD languages fall into two types when we consider whether RD in these languages can additionally host focused elements.
- (3) a. Cantonese-type RD cannot target focused elements
 - b. Japanese-type RD can target focused elements

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(i) Focus intonation

Focus intonation

- (4) <u>CRD resists focus intonation</u> (Lee 2020, p.141)
 #keoi m geidak gaau ∆ aa3 FAAN BOUMENG BIU
 3sg not remember submit sFP CL application form
 'S/he forgot to submit the application form.'
- (5) JRD tolerates focus intonation (Endo 1996, p.2)
 Mukasi mukasi aru mura-ni imasita-yo, MONOSUGOI BINJIN-GA long long time ago a village-LOC was-sFP extremely beautiful 'Long long time ago, there was an extremely beautiful girl in a village.'

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(ii) Focus particle ONLY

- Focus particles and their associates
- (6) CRD resists 'only'-focus
 - a. ?? Δ maai-zo ni-bun syu zaa3 **zinghai ngo** buy-perf this-cl book sfp only 1sg 'Only me bought this book.'
 - b. ?? hai ngo maai-zo ni-bun syu zel hai ngo only 1sg buy-perf this-cL book sFP only 1sg 'Only me bought this book.'

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(ii) Focus particle ONLY

- Japanese RD reveals a different pattern:
- (7) a. JRD can target *dake*-focus (Nakawaga, Asao, and Nagaya 2008, p.5) Δ kaet-te ki-ta yo **inu-dake**-wa return-and come-PAST PAR dog-only-TOP 'Only the dog came back to us.'
 - b. JRD can target NPI 'sika'-focus Taroo-ga Δ yom-ana-katta-yo, LGB-sika Taroo-NOM read-NEG-PST-SFP LGB-only '(lit.) Taroo read Δ_i , only LGB_i.'

(Takita 2011, p.4)

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(iii) Focus particle EVEN

• A similar pattern with even:

(8) CRD resists even-focus

- a. ??ngo dou m wui tai gaa3 **lin bouzi** (Lee 2020, p.141) 1sG also not will read sFP even newspaper 'I will not even read newspaper'
- b. ??ngo **lin bouzi** dou m wui tai gaa3 **lin bouzi** dou 1sg even newspaper also not will read sFP even newspaper also 'I will not even read newspaper'
- (9) JRD allows even-focus

Aitsu-wa yom-e-nai yo **kono hon-sae** (p.c. Yuta Tatsumi) That.guy-тор read-able-мед sFp this book-even 'That guy can't even read THIS BOOK.'

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(1V)	ntrastive focus									

• Furthermore,

- (11) JRD allows contrastive focus Ken-wa ∆ itta yo, soko-e-wa Ken-тор went sFp there-to-тор/сом 'Ken went THERE.'
 - Note the topic marker -wa in Japanese can contribute a topic reading or a contrastive reading, regulated on independent grounds (Kuno 1978; Yamashita 2011)

(Yamashita 2011, p.418)

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$(\mathbf{v}) W h - e$	xpressions				
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- A potential challenge
- (12) <u>CRD resists wh-expressions</u> # keoi m geidak gaau Δ aa3 matje 3sG not remember submit sFP what 'What did s/he forget to submit?'
- (13) JRD resists wh-expressions *Hanako-wa Δ katta no, **nani**-o? Hanako-TOP bought Q what-ACC '(lit.) Hanako bought i, whati?'
 - Takita (2011) attributes the unacceptability of (13) to the failure of Argument Ellipsis on *wh*-expressions, instead of their focus nature (Rochemont 1986; Horvath 1986; Shi 1994)

(Lee 2020, p.141)

(Takita 2011, p.9)

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$(\mathbf{v}) Wh$	-expressions				

• If we look at DC, we obtain a contrast between Cantonese and Japanese.

(14) DC is not possible with *wh*-expressions in Cantonese

- a. ***Bin-bun syu** nei mei tai aa3 **bin-bun syu** which-cl book 2sg not.yet read sFP which-cl book 'Which book haven't you read?'
- b. ***Matje** haakcan nei aa3 **matje**? what scare 2sg sFP what 'What scares you?'
- (15) DC is possible with *wh*-expressions in Japanese Hanako-wa **nani**-o katta no, **nani**-o? Hanako-TOP what-ACC bought Q what-ACC '(lit.) Hanako bought what, what?'

(Takita 2011, p.10)

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Interim summary

• We obtain the following empirical landscape:

α -position	Cantonese RD	Japanese RD
(i) Focus intonation	X (4)	✓ (5)
(ii) 'Only'-focus	X (6)	✓ (7)
(iii) 'Even'-focus	X (8)	✓ (9)
(iv) Contrastive focus	X (10)	✓ (11)
(v) Wh-expressions in DC	X (12)	✓ (13)

Table 1: A summary of the comparison between CRD and JRD

- (16) a. Cantonese-type RD *cannot* target focused elements
 - b. Japanese-type RD can target focused elements

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Two types of right dislocation		

A cross linguistic note

• The two types of RD languages are replicated in Mandarin and Mongolian (Alasha)

(17) Mandarin RD resists shi-focus

- a. # Shi **ta**_i zhaodao Lisi a **Mali**_i (Chiang 2017, p.310) FOC she find Lisi SFP Mary 'It was her_i who found Lisi, Mary_i.'
 - b. *Tai yinggai keneng xihuan Lisi ba shi Mali. (Chiang 2022, p.4)
 She probably maybe like Lisi sFP FOC Mary
 'Shei probably likes Lisi, Maryi.'

(18) Alasha RD can target 'only'-focus

- a. Δ Baatar-t nom og-sen **dzoxung bi**/ **bi-l** Baatar-DAT book give-PST only 1sG/ 1sG-only 'Only me gave (a) book to Baatar.'
- b. **bi-l** Baatar-t nom og-sen **bi-l** 1sg-only Baatar-DAT book give-PST only-1sg 'Only me gave (a) book to Baatar.'

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(Lee 2022a)

	A structural account		
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- A structural account
 - I attempt a structural, syntactic account on the variation
 - The two types of RD languages do not differ in terms of, for example, the processing of the right periphery or discourse principles.
 - I propose that the variation in RD is directly related to **how a language licenses its Focus Projection (FocusP)** in the CP periphery (Rizzi 1997).
- (19) The licensing parameter on the Focus Projection
 - a. A FocusP is only licensed by *overt* complement
 - b. A FocusP is only licensed by *covert* complement

- → Cantonese
 - ➔ Japanese

- (20) The licit and illicit FocusP in Cantonese and Japanese
 - a. ... [_{FocusP} Spec [FOC [TTP]] : *Cantonese, ^{OK}Japanese
 - b. ... [$_{FocusP}$ Spec [$_{FOC}$ [$_{TP}$...]] : ^{OK}Cantonese, *Japanese

		A structural account		
Assum	otions			

- The analysis makes two assumptions:
- (21) Two crucial assumptions in the analysis
 - a. RD sentences (at least in argument cases) involve movement. (Abe 1999; Tanaka 2001; L. Y.-L. Cheung 2009; Lee 2017, i.a.)
 - b. Focused elements move into Spec FocusP for feature checking. (Chomsky 1995, et seq.)
 - The analysis does not, however, rely on a particular movement analysis on RD, e.g.,:
 - a mono-clausal, double preposing analysis
 - a bi-clausal, move-and-delete analysis
 - The proposal goes through independently of the precise movement analysis of RD.

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		A structural account		
Assum	ptions			

- Two variants of a movement analysis on RD
- On independent grounds, Cantonese RD is argued to involved a mono-clausal analysis,

(22) A mono-clausal analysis on Cantonese RD (e.g. L. Y.-L. Cheung 2009; Lee 2017; Lai 2019) [ForceP [TP Subj V] SFP [XP Obj [TP Subj Obj V]]]

- ... whereas Japanese RD is argued to involved a bi-clausal one.
- (23) <u>A bi-clausal analysis on Japanese RD</u> (e.g. Abe 1999; Tanaka 2001; Takita 2011) $[_{TP} Subj pro_i V] SFP [_{XP} Obj_i [_{TP} Subj Obj V]]$
 - In either analysis, the complement of XP is covert (i.e., deleted).

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Deriving the variation - the topic case

- Both analyses can handle the topic/defocus nature of RD-ed elements by suggesting that XP is Topic Projection (or the like).
- (24) <u>A mono-clausal analysis on Cantonese RD</u> [ForceP [TP Subj V] SFP [Obj [TP Subj Obj V]]]
- (25) <u>A bi-clausal analysis on Japanese RD</u> $[_{\text{TP}} \text{ Subj } pro_i \text{ V }] \text{ sFP } [_{\text{TopicP}} Obj_i [_{\text{TP}} \text{ Subj } Obj \text{ V }]]$

	A structural account		
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Deriving the variation - the focus case

- When it comes to the focus case, the two languages differ.
- Only Japanese RD can target focused elements, but not Cantonese RD.
- This implies:
- (26) A mono-clausal analysis on Cantonese RD * [ForceP [TP Subj V] SFP [Obj [TP Subj Obj V]]]
- (27) <u>A bi-clausal analysis on Japanese RD</u> (also suggested in Abe 2019) $[_{TP} Subj pro_i V] SFP[_{FocusP} Obj_i [_{FrP} Subj Obj V]]$
 - If (26) were acceptable, we would expect focused elements could be right-dislocated in Cantonese as well.

	A structural account		
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Deriving the variation - the focus case

- Here is where the proposed parameter comes into play.
- (28) The licensing parameter on the Focus Projection
 - a. A FocusP is only licensed by overt complement
 - b. A FocusP is only licensed by covert complement

(29) The licit and illicit FocusP in Cantonese and Japanese

- a. ... [_{FocusP} Spec FOC [____] : *Cantonese, ^{OK}Japanese
- b. ... [_{FocusP} Spec foc [_{TP} ...]] : ^{OK}Cantonese, *Japanese
- (30) * $[_{ForceP} [_{TP} Subj V] SFP [_{FocusP} Obj \underbrace{Obj (_{TP} Subj Obj V]}_{\land}]$ Cantonese

(31) $[_{\text{TP}} \text{ Subj } pro_i \text{ V}] \text{ SFP} \begin{bmatrix} Obj_i [_{\text{TP}} \text{ Subj } Obj \text{ V} \end{bmatrix} \end{bmatrix}$

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Japanese

→ Cantonese

→ Japanese

	Two predictions	
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Two predictions - sluicing

- (32) The licit and illicit FocusP in Cantonese and Japanese
 - a. ... [_{FocusP} Spec [FOC [TTP]] : *Cantonese, ^{OK}Japanese
 - (32a) is precisely the reduced cleft analysis of sluicing configurations, which involves Focus/*wh* movement followed by TP deletion (Merchant 2001, i.a.).
- (33) Predictions on sluicing Japanese allows sluicing, whereas Cantonese disallows sluicing.
 - Fukaya and Hoji (1999) and Hiraiwa and Ishihara (2002, 2012), among others, argue for a reduced cleft analysis on embedded sluicing in Japanese.
- (34) a. John-wa dareka-ni atta rasii ga, TOP someone-DAT met seem but 'It seems that John met someone, but, '
 - b. boku-wa dare(-ni) ka wakara-nai.
 1sg-top who-dat Q know-not
 'I don't know who'

(Fukaya and Hoji 1999)

			Two predictions	
Two p	predictions - slu	licing		

- Meanwhile, (32a) predicts the lack of (Japanese-style) sluicing in Cantonese
- Wei (2004, 2011), Li and Wei (2014, 2022), and Adams and Tomioka (2012) defended the base generation analysis of sluicing-like constructions in Chinese.
- (35) Sluicing-like constructions in Mandarin and Cantonese
 - a. Zhangsan kandao mouren, danshi wo bu zhidao shi **shei**. Mandarin Zhangsan saw someone but I not know cop who 'Zhangsan saw somebody, but I dont know **who**.' (Li and Wei 2014, p.296)
 - b. Aaming maai-zo di je, daan ngo m-zi hai **mat**. Cantonese Aaming buy-perf cL thing but I not-know cop what 'Aaming bought some thing, but I don't know **what**.'
 - The parameter provides an explanation on *why* a reduced cleft analysis of sluicing is unavailable in Cantonese.

	Two predictions	
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Two predictions - scrambling

- (36) The licit and illicit FocusP in Cantonese and Japanese
 - b. ... [_{FocusP} Spec [FOC [_{TP} ...]] : ^{OK}Cantonese, *Japanese
 - (36b) predicts the **lack of focus reading in Japanese scrambling**. FocusP cannot be licensed without TP deletion.
 - Abe (2019) suggests that Japanese scrambling cannot be Focus movement, given its semantic vacuity (instead, it involves adjunction (Saito 1985)).
- (37) Scrambling in Alasha and Japanese (no focus interpretation)
 - a. [_{TP} **Mary-ni** [_{TP} John-ga kinoo ∆ atta yo]]. Mary-DAT John-NOM yesterday saw sFP]] 'Mary, John saw yesterday.' Japanese (Abe 2019, p.3)
 - b. $[_{XP} \text{ nam-ig } [_{TP} \text{ ter } \Delta \text{ xar-sen}]]$ 1sG-ACC 3sG see-PST 'He saw me.'

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Alasha

		Two predictions	

Two predictions - scrambling

- While there is no similar scrambling in Cantonese/Mandarin, focus movement is available without TP deletion.
- (38) Focus movement in Cantonese
 - a. [_{FocusP} (Hai) **bingo** [_{TP} Siufan zeoi zungji]] aa? HAI who Siufan most like Q 'Who is it that Siufan likes most?' (C. C.-H. Cheung 2015, p.76)
 - b. [FocusP (Lin) tai [TP Aaming dou m-tai ni-bun syu]] wo4 even read Aaming also not-read this-CL book sFP
 'Aaming didn't even READ this book (to my surprise).' (Lee 2022b, p.60)
 - In both cases, the focus particles, namely, *hai* and *lin*, are optional
 the focus interpretation remains in their absence
 - Thus it should be attributed to the availability of FocusP instead of to the presence of focus particles

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Conclu	iding remarks			

- RD should be classified based on the effects on information structure.
- (39) a. Cantonese-type RD cannot target focused elements
 - b. Japanese-type RD can target focused elements
 - The findings strengthen a non-uniform approach to RD in natural languages, despite their surface similarities
 - To the extent the variation can be handled by the proposed parameter, a movement analysis of RD seems to allow more analytical flexibility than a base generation analysis.

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Concli	iding remarks			
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- What about languages without the need of licensing of FocusP?
- (40) The licensing parameter on the Focus Projection
 - a. A FocusP is only licensed by *overt* complement → Cantonese
 - b. A FocusP is only licensed by *covert* complement
 - c. A FocusP can be licensed by either overt or covert complement

(41) The licit and illicit FocusP in Cantonese and Japanese

- a. ... [_{FocusP} Spec FOC [<u>TP</u>...]]: *Cantonese, ^{OK}Japanese
- b. ... [_{FocusP} Spec FOC [_{TP} ...]] : ^{OK}Cantonese, *Japanese
- c. ... [_{FocusP} Spec FOC ([_{TP} ...])] : Bangla, Hindi (potentially)
- What about TopicP licensing? To be continued...

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➔ Japanese

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