

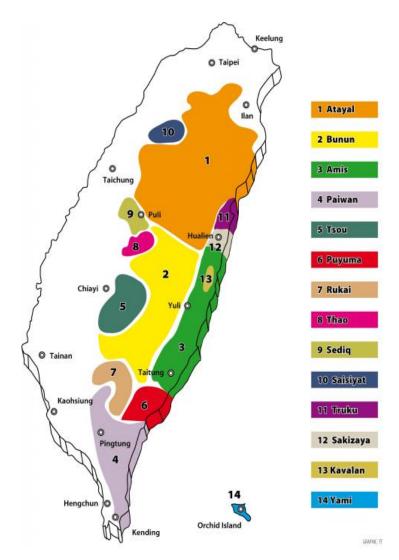
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CONTACT-INDUCED
PHENOMENON. THE CASE
OF TRUKU (TAIWAN)



Situation of the Truku language

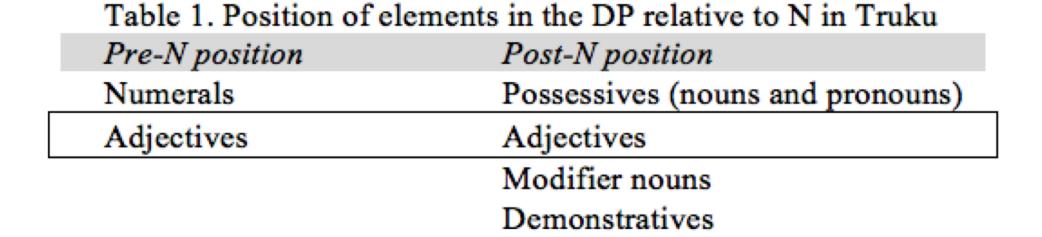


http://www.snipview.com/q/Endangered%20Austronesian%20language

Implantation of Truku population (estimated 20,000)



INTRODUCTION*



^{*} This project was conducted as part of the CLAPOTY Project (funded by the French Agence Nationale pour la Recherche under the reference ANR-09-JCJC-0121-01) and co-funded by the LabEx Empirical Foundations of Linguistics.

INTRODUCTION

- Pecoraro (1979: 50-51)
 - (1) Paru sapax ka sapax Diyan big house PRED house Diyan Diyan's house is a big house
 - (2) Sapax paru ka sapax Diyan house big PRED house Diyan Diyan's house is the big house



Outline of this talk

- A look at the positional variation in our corpus
- Syntactic, semantic or pragmatic implications of positional variation of adjectives in Truku
- A look at Mandarin Chinese and mixed-language data
- Hypotheses and conclusion

Data collection methodology

- 24 different speakers
- 3 "age-classes"
 - A speakers: 65-84 years old in July, 2014
 - B speakers: 36-64 years old
 - C speakers: 15-35 years old
- 39 dyadic interactions, video-taped and audio-recorded
- 10,469 words transcribed
- 2 principal languages: Truku and Taiwan Mandarin Chinese

Data collection methodology*



^{*} Many thanks to Lowking Nowbucyang (許韋晟), National Tsing Hua University, for his invaluable help with data collection and transcription, and to Lu Yunfang (陆云芳), Université Paris Diderot, for her help with annotation of the Mandarin Chinese part of the corpus.

1. OBSERVED VARIATION IN THE POSITION OF ADJECTIVES IN OUR DATA

■ A speakers

	Truku DP			Mandarin Chinese DP		Mixed DP		
Speaker	N- Adj	Adj-	Adj- N- Adj	N Adj	Adj N	Adj[cmn]- N[trv]	N[trv]- Adj[cmn]	N[trv]- Adj[trv]- Adj[cmn]
A1	2	1	,				J.L. J	J
A3	15	1	1	1	2			
A4	7							1
A5	6	1						
A6	15	7			1			
A7	10	4						
A8	16	1		1		2		
A9	4	1			4			
A10	10							



1. OBSERVED VARIATION IN THE POSITION OF ADJECTIVES IN OUR DATA

■ B speakers

			Mandarin					
	Γ	ruku D	P	Chinese DP		Mixed DP		
			Adj-					N[trv]-
	N-	Adj-	N-	N	Adj	Adj[cmn]-	N[trv]-	Adj[trv]-
Speaker	Adj	N	Adj	Adj	N	N[trv]	Adj[cmn]	Adj[cmn]
B1	10	2						
B2	4	17						
B3	1				3			
B4	4	5						
B5	6							
B8	13	12			8	1		
B9	6							
B11	3							
B12	10	3			2	3	2	
B13		1			1			
B14	4	4						
B15	3							
B16	1							

1. OBSERVED VARIATION IN THE POSITION OF ADJECTIVES IN OUR DATA

■ C speakers

	Т	ruku D	р	Mandarin Chinese DP		Mixed DP		
Speaker	N- Adj		Adj- N- Adj	N Adj	Adj N	Adj[cmn]- N[trv]		N[trv]- Adj[trv]- Adj[cmn]
C4						1		
C5						3		



1. OBSERVED VARIATION IN THE POSITION OF ADJECTIVES IN OUR DATA

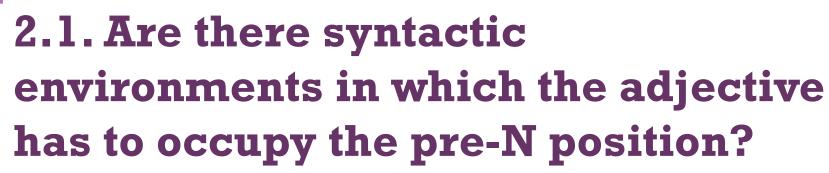
■ Total by age class and general total

			Mandarin					
	7	ruku D	P	Chinese DP		Mixed DP		
			Adj-					N[trv]-
	N-	Adj-	N-	N	Adj	Adj[cmn]-	N[trv]-	Adj[trv]-
Speaker	Adj	N	Adj	Adj	N	N[trv]	Adj[cmn]	Adj[cmn]
Α								
speakers	75	16	1	2	7	2		1
В								
speakers	65	44			14	4	2	
C								
speakers						4		
Total	150	60	1	2	21	10	2	1



2. EXPLAINING VARIATION: TEASING OUT THE SYSTEMIC FACTORS

- To tease apart the factors of variation that may be linked to the linguistic system *per se*, we will look at
 - syntactic
 - semantic
 - discursive potential factors of variation between the two orders.





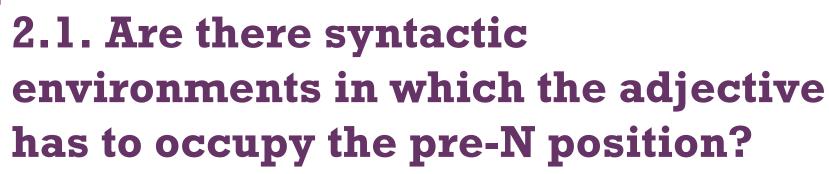
- When the N is followed by another modifier...
 - (3) Paru bluhing su lala bi napa(-)su big sieve 2SG;POSS many really ??- 2SG;POSS Your big sieves are very many (???) [A3]
 - (4) Ni bhgay haya bilaq ga

 CONJ white car small DEM;

 And that small white car [17/2-30; A3]

2.1. Are there syntactic environments in which the adjective has to occupy the pre-N position?

- ...but not always!
- (5) Gasil m-banah qthur gaga o nisu string AF-red thick DEM;D TOP 2SG;POSS This thick red rope is yours. [A3]
- (6) Ubal b-baraw puurung feather RED-long owl Very long owl's feathers [A3]



■ Further speaker-internal variation (B8)

- (7) P-sa-i qita: m-banah pratu-su troma
 CAUS-go-IMP that_is AF-red bowl-2SG;POSS under
 Put (it), that is, under your red bowl. [19/6-75; B8]
- (8) Paru qsurux nini big fish DEM;P This big fish [19/6-37; B8]



- Does the DP contain other markedly definite words, such as possessives or demonstratives?
- Is the DP included in a syntactic expression that favors (in)definite DPs (such as the presentative/existential construction)?
- Is the DP mentioned for the first time or has it been mentioned before in the discourse (in which case it has to be definite because definite determiners have anaphoric value)?



Table 3. Lexical or syntactic environments

	pratu + Adjective	Adjective + pratu
Without further	56	12
elements		
Followed by a	7	4
demonstrative		
Followed by a	0	2
possessive		
Total	63	18



Demonstratives and possessives

■ Demonstratives

Not conclusive, since both Adj-N and N-Adj orders may be found in co-occurrence with a demonstrative

■ Possessives

- possessive pronouns occur only with the Adj-N order
 - which could lend support to our syntactic hypothesis
 - but does not go well with the hypothesis that such DPs have an indefinite reference (cf. Pecoraro)



Presentative/Existential sentences

- In languages such as English, French and Mandarin Chinese (Chen 2004 and 2009), presentative/existential structures favor the introduction of indefinite DPs in object positions, the subject position being filled with expletive or null subjects ('il y a', 'there is', '∅有').
- Similarly, in Tgdaya/Paran Seediq, (Chang 2000: 106), definite NPS are incompatible with presentative/existential sentences.
 - Chang uses the verb *niq-an* in the LF form, translated 'have'
 - he explicitly rules out DPs containing a demonstrative as first argument (non-subject) of presentative sentences introduced by *niq-an*, while allowing DPs introduced by the numeral *kingan* 'one'.

Presentative/Existential sentences

- with numerals...and demonstratives
 - (9) Aji niq-an kingal wawa roro? NEG live-LF one baby duck Isn't there one baby duck? [17/2-52; A1]
 - (10) Hay niq-an kingal wawa roro ga?

 NEG;INT live-LF one baby duck DEM;D

 Isn't there that one baby duck? [17/1-85; A1]



Presentative/Existential sentences

syntax vs. discourse contradiction

presentatives introducing DPs with possessives

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(12) Hay niq-an ka bling na hiya?

NEG;INT live-LF PRED hole 3SG;POSS there
Isn't there a (litt. 'his') hole there? [17/1-71; A1]
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Presentative/Existential sentences

presentatives with AF forms

(13) Pratu ma-niqiril iril bowl AF-live left iril The bowl is on the left, left. [20/9-35; A8]

 Mixed-language presentatives introducing DPs with demonstratives

(14)還 有 那 個: 的10 bilaq ga roro bilaq HAI YOU NA GE: roro ga HUANGSE DE again have DEM;D CL duck small DEM;D yellow MOD And there's uh that little duck, yellow [20/4-74; B12]



First and subsequent mentions of entities

	- TC 1.1 4	T' /	1		C 1	1.1	1 1 1 11
- 1	F Table 4	First and	Lsubsequen	t mentions	of red	or bla	ck bowls11

Text reference	Speaker	First mention	Second mention	Subsequent
				mentions
17/1	A1			Adj-N
17/2	A3	N-Adj	N-Adj	
17/3	B1			
17/4	B2			N-Adj
17/5	A3		N-Adj	
17/9	B2			Adj-N
18/5	B5	N-Adj	Adj-N	
	B4	N-Adj		
18/7	B4	N-Adj		
18/9	B4		N-Adj	
19/1	A6	N-Adj		
19/2	B9	N-Adj		
	A6	N-Adj		
19/3	B8	N-Adj		
19/5	A6	N-Adj	N-Adj	
19/6	A5	N-Adj		
	B8	N-Adj	N-Adj & Adj-N	Adj-N
19/8	A7	N-Adj	Adj-N	Adj-N
20/2	A8	N-Adj	Adj-N	-
20/4	B12	N-Adj	N-Adj & Adj-N	N-Adj
	B11	N-Adj		
20/7	A9	N-Adj		
20/8	A8	N-Adj & Adj-N	N-Adj & Adj-N	N-Adj & Adj-N
20/9	A8	N-Adj	N-Adj	N-Adj
21/2	B12	N-Adj & Adj-N	Adj-N	, in the second
21/3	A9	N-Adj	N-Adj	
22/1	B14	N-Adj	N-Adj & Adj-N	Adj-N
22/2	B15	N-Adj		
	B16	N-Adj		
22/3	A10	N-Adj	N-Adj	N-Adj



2.3. Interim conclusion on linguistic factors of variation

- After close scrutiny, it seems that neither of the syntactic, semantic factors we examined fully explains variation.
- Discourse organization may be an issue, but does not accord well with the definite/indefinite hypothesis. This has to be investigated further.
- Therefore, we will have to consider the possibility that variation may (additionally) result from other, systemexternal, factors.



3. VARIATION AS A CONTACT-INDUCED PHENOMENON

- Next to the data showing variation in the Truku language as to the position of adjectives, we also have data produced in Mandarin Chinese by the same speakers, as well as Truku-Chinese mixed data.
- We find the latter of special significance, since the relative order of Adjectives and Nouns is different in the two languages.
- Nevertheless, monolingual Mandarin Chinese utterances also bear interesting information.

3.1. Mandarin Chinese DPs with Truku word order

marked order Mandarin Chinese DPs

(15)貓頭鷹 小 的
MAOTOUYING XIAO DE
owl small MOD
The small owl [17/8-84; A3]

(16) 鴨 黄色 的
YA HUANGSE DE
duck yellow MOD
The yellow duck [20/8-68; A8]



+ 3.2. Mixed DPs

Table 2c.	Table 2c. Mixed DPs with both word orders							
Speaker	Number of	Number of	Total number of MC	Total number of				
	occurrences of	occurrences of N-	syllables uttered by	Truku words				
	Adj-N	Adj	speaker	uttered by speaker				
A4		1	117	206				
A8	2		234	516				
B8	1		109	279				
B12	3	2	288	280				
C4	1		290	18				
C5	3		198	21				
Total	10	3	-	-				



■ Mixed DPs with Adj-N order

- (17) 綠色 是 大 的 puurung 啊

 LÜSE SHI DA DE puurung A

 green be big MOD owl EXCL

 The green (one) is the big owl! [20/8-76; A8]
- (18)還有小 babuy

 HAI YOU XIAO babuy

 again have small pig

 There's also the small pig. [19/4-68; B8]
- (19) 黄色 的 喔 bhngi? inu ka roro ga inu HUANGSE ka bhngi DE roro ga be-at bird yellow MOD duck INTJ where;INT PRED The yellow duck, where is the bird?

+ 3.2. Mixed DPs

■ Mixed DPs with N-Adj order

- (20) pratu 黑色 的, pratu 黑色 的 還 有 紅色 的 pratu HEISE DE, pratu HEISE DE HAI YOU HONGSE DE bowl black MOD bowl black MOD again have red MOD A black bowl, a black bowl and also a red (one). [20/3-13; B12]
- (21) iq bhngi bilaq 黄色 ga
 iq bhngi bilaq HUANGSE ga
 yes bird small yellow DET;D
 Yes, that small yellow bird. [18/2-36; A4]



3.3. Language contact and variation: an individual equation

- Auer & Muhamedova (2005): languages in prolonged contact develop into new varieties by influencing each other.
- This development occurs through more and more widespread variation in each of the participant languages.
- C speakers in our experiment: limited Truku fluency; use of isolated Truku nouns in otherwise Mandarin Chinese DPs
- B speakers: fluent in both languages; mutual influence of both languages: heavy use of Adj-N order in Truku DPs + both orders in mixed language DPs
- A speakers: dominant in Truku; overall less Adj-N order in Truku DPs, individual variation as to N/Adj word order in mixed utterances



4. CONCLUSION

- Judging from related dialects, the canonical order between nouns and adjectives in Seediq is the N-Adj order
- However, some facts indicate that there used to be some kind of systemic variation as to the relative order of N and Adj in Truku (possibly an innovation in this dialect of Seediq):
 - the mention by Pecoraro (1979) that order variations correspond to different referring functions of the DP
 - the fact that our eldest informer refuses the Adj-N order except in some syntactically motivated cases
- Unsystematic variation found in our data =>the precise systemic constraints upon this variation phenomenon are presently lost, despite the fact that the possibility of varying orders is currently acknowledged by most speakers
- There seems to be an increase in variation from A to B speakers, but language attrition in C speakers may not allow us to witness the full process of language variation > language change



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