On Proportional Correlative Constructions in Chinese and Mongolian

Su-ying HSIAO

Academia Sinica

This paper aims to investigate the semantics and syntax of Mandarin 'yuè...yuè...' construction and Mongolian 'xedii...tödii...' construction. It is argued that the first yuè and xedii always occur in a topic while the second yuè and tödii appear in the comment part of a sentence. Semantically, both the 'yuè...yuè...' and the 'xedii...tödii...' constructions, the degree/quantity of y changes accordingly. The 'xedii...tödii...' construction, however, might also has a constant reading, expressing an equivalence between two fixed values on two scales. It is argued that the constant relation is a special case of the proportional correlative relation. McCawley (1988) found that the proportional constructions exhibit some syntactic properties of comparative constructions and conditional constructions. We argue that it is not a coincidence but a natural consequence. Since the degree/quantity of y depends on that of x, the construction is basically conditional. Besides, to describe the change of the degree/quantity, one must compare the degree/quantity with a standard, usually the degree/quantity at a certain point. Thus, it involves 'comparision' inherently.

Key words: correlative, Chinese, Mongolian, yue, xedii, tödii

1. Introduction

This paper aims to investigate proportional correlative constructions in Chinese and Mongolian. The constructions at issue are used to show that two things change together, as exemplified in (1), (2) and (3).

English:

(1) The more he eats, the fatter he gets.

Mandarin Chinese:

nnn gundmin many more good
'The more friends one has, the better.'

Khalkha Mongolian:

(3) Xedii ix bol tödii sain. how-much big/many if that-much good 'The more the better.'

2. 'Yuè...yuè...' in Mandarin Chinese

McCawley (1988) investigated 'the more...the more...' constructions in English, German, and Mandarin Chinese. He found that the constructions exhibit some properties of comparative constructions and conditional constructions and called them 'comparative conditional constructions'. According to him, the 'yuè...yuè...' construction, a construction in Mandarin Chinese corresponding 'the more...the more' construction in English, has three properties shared with the comparative and conditional constructions.

First of all, jiù 'then' is used as in ordinary conditional constructions.

Second, 'yuè phrasse' and 'Uṇ phrase', if not embeded in a complex NP, never appears at the initial of a sentence.

diphiindi more you scold (s)he (s)he more not happy où il3'ù mù ji niù ji [iù'i] uù diphiindi more scold (s)he you (s)he more not happy nnn [[:n nnjn dnh] pb wnn] un pann compare Lisi tall RC person not many 'There are few people taller than Lisi.'

nnn [[3.n 'fnn] pb lnndd.n] m.n knhoknn more sweet RC apple more delicious 'The sweeter an apple is, the more delicious it is.'

Third, the compared element must be the topmost predicate of its clause, and the 'yuè phrase' is under the same constraint. In (9)a and (10)a, $\mathcal{P} \cdot \mathcal{D}$ many' is embedded in an NP.

mnf zb [_{uz}knn un nnnin en nnikn]n p_n (s)he compare Ι buy PERF very many book '(S)he bought more books than I did.'

ni ei mil jki ni iii mil bp

(s)he buy book compare I buy DE many '(S)he bought more books than I did.'

oṇ eṇ mṇf jkṇ mṇf pb uṇ ṇṇ pʌṇṇ

(s)he buy book buy DE compare I many '(S)he bought more books than I did.'

nhưnh hoạt hoạt hoạt hoạt hoạt than than mone

you read DE more many book you father then more dṇhṇṇdṇ happy

'The more books you read, the happier your father gets.'

ng i leu nu nu mu zp quu jkuu jkuu le more many book

'(S)he bought many more books than I did.'

In addition, (10)a is bad because $yu\grave{e}\ du \rlap{n}sh \rlap{n}$ 'more books', an NP, fails to act as a complement of V-de. (ii) shows that it is possible for yu\grave{e} 'more' to modify a quantity element within an NP.

dnhinndn nf fn un jkn pn m,n p₁n nn unun min more book you father more you many happy 'The more books you read, the happier your father gets.'

¹ We find, however, sentences like (9)a is better if the compared element 'duṇ is modified by 'gèng' rather than 'hnn', as (i) shows.

jkņ pb uņ uņ m₄ņ pn pınn unun nņ vḟņ m₄n you book more read DE many you father then more dnhinndn happy 'The more books you read, the happier your father gets.'

The 'yuè...yuè...' construction is not always related to a conditional sentences, however. Rather than a conditional construction, (11) is a temporal one.²

```
nnnin en min pn min lfnhzfnnd zbn (s)he more old more beautiful LE 'As she gets older, she becomes more beautiful.'
```

b. *Tṇ yàoshì yuè dà jiù yuè piàoliàng le. (s)he if more old then more beautiful LE '*If she gets older, she is more beautiful.'

We will discuss the semantics and syntax of Mandarin 'yuè...'yuè...' construction in the following section, with reference to its counterpart in nizi Taiwanese when there are differences between them.

2.1 Semantic perspective

2.1.1 'Yuè...yuè...' are proportionally correlative

As far as meaning is concerned, the 'yuè...yuè...' construction has a proportional reading, the part with yue_1 contains an independent variable \mathbf{X} while the part with yue_2 contains a dependent variable \mathbf{Y} . When the degree/quantity of \mathbf{X} changes, the degree/quantity of \mathbf{Y} changes accordingly, as shown in (12). Therefore, we will call these constructions 'proportional correlative constructions' rather than 'comparative conditional constructions'.

nnnn m n 11 n u

2.1.2 'Yuè' expressing a proportional relationship of two variables

'Yuè' can only be used to express a proportional proposition consisting of two variables, not more than two. Though there are sentences containing more than two yuè's, they express a correlative relationship of two complex variables. That is, some variables are

² The same phenomenon is found in English as well.

n jmhh kṇṇ sạṇ n n ng phụ and kṇh sự n okṇ n bijm 'h pw fghṇ In actuality, there are only two variables, that is, lṇndṇ sạṇ and kṇh sự n okṇ sạṇ lṇnd mạṇ sạṇ lạnd mạṇ sạṇ is a coordinating structure. Semantically, it is anomalous to have any proportional relationship between píng and sạṇ n. Phonologically, there is a longer pause between yuè píng yuè kaṇ and yuè hṇh sự n okṇ than the pause between yuè píng and yuè sạṇ may appear in a conditional clause while yuè hṇ sự n okṇ occurs in the consequence clause. Besides, yuè píng yuè saṇ may occur in a complex NP while yuè hṇh sự n okṇ is in the predicate.

- nnnin nn min lind min sinn kinh sinf okinn road more smooth more wide more good drive car 'The smoother and wider a road is, the easier for drivers to drive on it.'
 - un nn min lind min knh snf oknn road more smooth more good drive car 'The smoother a road is, the easier for drivers to drive on it.'
 - on nn min sin min knh snf oknn road more wide more good drive car 'The wider a road is, the easier it is to drive.'
 - pṇ ṇṇṇ mzṇ lṇndṇ mzṇ szṇn mzṇ kṇh road more smooth more wide more good drive car
 - bịn ni min lịnh dịnh min sinh sinh sinh sinh more wide more good drive ok ni

car

'The smoother and wider a road is, the easier for drivers to drive on it.'

từ như mưu lànd qua mưu sưn qua mưu

 $k \dot{n} h$ $s \dot{n} f$ road more smooth and more wide and more good drive $ok \dot{n} \dot{n}$ car

mnhjkn lnnd sựnn vfn m₄ņ dn nn m_n knh m₁n more smooth more wide then more good road if snf okm drive car 'The smoother and wider a road is, the easier for drivers to drive on it.

kṇ 3ṇ lṇnd mṇn sṇn pb zṇ mṇn kṇh sṇf okṇṇ more smooth more wide RC road more good drive car 'Roads which are smoother and wider are easier to drive on.'

Coordinate consequence clauses are also possible, as shown in (14).

pn pb rfnn nnnn nnm_n wnn m_n mnmn position more big RC person more have money mn1knn m₁n more have power 'People who take a higher position are richer and more powerful.'

2.2 Types of the constructions

There are three types of the 'yuè... yuè...' constructions. The first type are sentences with complex NP as subjects, with the first yuè (henceforth, yuè₁) in the subject and the second yuè (henceforth, yuè₂) in the predicate. See (15). In the second type, yuè₁ appears in the topic portion and yuè₂ in the comment part of a sentence, as shown in (16). Finally, the construction may consist of two clauses, one subordinate to the other, with the marker yuè occurring in each clause. See (17).

- nnn 3.n fnn pb lnndd.n m.n knhoknn more sweet RC apple more delicious 'The sweeter an apple is, the more delicious it is.'
- more sweet RC apple I more like 'The sweeter an apple is, the more I like it.'
- nnn un min jknndrn n min dnhinndn you more angry (s)he more happy 'The angrier you are, the happier (s)he becomes.'

2.2.1 Sentences with yuè₁ in the subject and yuè₂ in the predicate

The first type of the ' $yu\grave{e}...yu\grave{e}...$ ' constructions are sentences with complex NP as subjects, with $yu\grave{e}_1$ in the subject and $yu\grave{e}_2$ in the predicate part. Note that $yu\grave{e}_2$ might occur in a complement which is a part of the predicate, as (18)b shows.

nnnin 3.n nn znf pb wnn m.n mnf pb oknn more late come RC person more not DE eat 'The later one comes, the less food (s)he can eat.'

un **3nh** m₁n s₂nf pb wnn snmn nn pn pb vfnndn m₁n run more fast RC person may take more big RC prize 'The faster one runs, the bigger prize (s)he may get.'

2.2.2 Sentences with yuè₁ in the topic portion and yuè₂ in the comment part

In the second type of the ' $yu\grave{e}...yu\grave{e}...$ ' construction, $yu\grave{e}_1$ appears in the topic portion and $yu\grave{e}_2$ appears in the comment part of a sentence, as (19)a and (19)b illustrate. In (19)a, $yu\grave{e}_2$ occurs in the subject portion in the comment part. In (19)b, $yu\grave{e}_2$ appears in the predicate phrase.

2.2.3 X₁ yuè₁ Y₁, X₂ yuè₂ Y₂

The third type of the construction consists of two adjacent clauses containing $yu\grave{e}_1$ and $yu\grave{e}_2$ respectively, which is exemplified in (20)a and (20)b.

'The hotter it is, the more difficult it is for me to have a sound sleep.'

The two clauses of the 'yuè...yuè...' construction may have shared arguments as topics or subjects, as (21)a–c show. In these cases, they look like coordinate structures.³

³ For example, Chang (1990) lists 'yuè...yuè...' as a pair of adverbs marking a coordinate structure.

pnnd jknn

(s)he book read DE more many more not understand thing 'The more he read, the less sensible he became.'

on anndn f min pn min dinn house more large more expensive 'The larger a house is, the more expensive it is.'

We claim, however, that the 'yuè...yuè...' constructions are not coordinate structures. First, the constructions in question allow backard pronominalization, but coordinate structures disallow it. Compare (22) and (23): both (22)a, a 'yuè...yuè...' construction, and (22)b, a conditional sentence, allow backward pronominalization, while (23)a–c reveal that coordinate constructions allow forward pronominalization only.

θknnd jnn `nn nnnnin un m₁n un zn m₂n you more not pay-attention-to him/her Zhangsan nnnd∠nn unhappy 'The less attention you pay to him, the more unhappy Zhangsan feels.' mnhjkn `nn θknnd jnn un un un zn knn k.⁄n you if not pay-attention-to him/her Zhangsan very nnnd∠nn unhappy 'If you don't pay attention to him, Zhangsan will be very unhappy.' θkmd jm_f knf ikn `nhmnn ınk⊿nn nnnnin un `n_f you like Zhangsan dislike him or 'Do you like Zhangsan; or dislike him;?' nf $n_{\rm f}$ knf ikn `nhmnn `n₅∎ un un you love him or hate him 'You love him_i? Or hate him_i?' knf jkn `nhmnn nf on nun `n_f θknnd jnn _f∎ love him or hate Zhangsan "You love him; or hate Zhangsan;?"

Second, coordinate structures are syntactic islands. The movement of a conjunct must follow the 'across-the-board' rule application. Example (24)b is ungrammatical because it violates the constraint. On the other hand, the 'yuè...yuè...' construction is free from the

constraint, as (24)b shows.

yesterday I go ASP Taipei Zhangsan stay at home 'I went to Taipei and Zhangsan stayed at home yesterday.'

uṇ ṇ θ , η 'fṇn θ kṇndjṇn $_{\rm f}$ ṇṇ rṇ zb eṇfuṇfṇ ' $_{\rm f}$ zfṇ ṇṇf vfṇzṇṇ

yesterday $Zhangsan_i$ I go ASP Taipei stay at home '*Yesterday $Zhangsan_i$ I went to Taipei and t_i stayed at home esterday.'

nnnin e finnri min win in min jkinnunikihi weather more hot I more sleep-not-well

weather more hot I more sleep-not-well 'The hotter it is, the more difficult it is for me to have a sound sleep.'

nù bù , tùu tù myù myù , tù myù ikyunnunkuhu

 I_i weather more hot more sleep-not-well 'The hotter it is, the more difficult it is for me to have a sound sleep.'

Third, the order of the conjuncts in a coordinate structure is free, but the order of the two parts of the 'yuè...yuè...' constructions is not. Compare (26) and (27): Though (26)b is grammatical, its meaning is different from that of (26)a.

nninin θνή finn ni ri zp enfunti θκindjin zfi

yesterday I go ASP Taipei Zhangsan stay at home 'I went to Taipei and Zhangsan stayed at home yesterday.'

uṇ θưṇ fṇn θkṇnd jṇn zfṇ ṇṇf v fṇzṇṇ ṇṇ rn zb enfunfn

yesterday Zhangsan stay at home I go ASP Taipei 'Zhangsan stayed at home and I went to Taipei yesterday.'

I more dislike him/her (s)he more come bother me 'The more I dislike him/her, the more frequently (s)he comes to bother me.'

nù eù m'ù sút tùn iùù iù iu'u

(s)he more come bother me I more dislike him/her 'The more frequently (s)he comes to bother me, the more I dislike him/her.'

Furthermore, as McCawley correctly observed, the ' $yu\grave{e}...yu\grave{e}...$ ' constructions are possible to be conditional sentences, with $yu\grave{e}_1$ occurs in the antecedent clause and $yu\grave{e}_2$ in the consequent clause. The conjuncts of a coordinate structure cannot occur in such places.

nnnin un min jknndrnn n min dnhinndn you more angry (s)he more happy 'The angrier you are, the happier (s)he is.'

uṇ uṇ mṇhjkṇ ṃʌṇ jkṇndrṇṇ `ṇ vfṇ ṃʌṇ dnhɪmdn

you if more angry (s)he then more happy 'The angrier you are, the happier (s)he is.'

nṇṇṇṇ θkṇ vfṇn okṇn jkṇn zfṇhṇ f kṇhṇ vfnrfnn mfn

this CL shirt material good price furthermore dnndpnhn

reasonable

'The material of this shirt is good and furthermore, the price is reasonable.'

un nθkn vfnn oknn jknn zfnhnf mnh jkn knhn vfnrfnn vfn this CL shirt material if good price then dnndpnhn mnfurthermore reasonable

'*If the material of this shirt is good, and then, furthermore, the price is reasonable.'

Besides, in Chinese conditional clauses, it is possible to have an NP instead of a clause as the conditional part, as (30)b shows. It is also grammatical to have a complex NP as the antecedent part of a 'yuè...yuè...' construction.

nnnin un min jknndrnn 'n min dnhinndn you more angry (s)he more happy 'The angrier you are, the happier (s)he is.'

uṇ uṇ ṃ̣̣ṇ jkṇndrṇ pb jkṇkṇ̣ṇ 'n ṃ̣̣ṇ dnhɪnndn

you more angry DE time (s)he more happy 'The angrier you are, the happier (s)he is.'

nnnin nnnn mnf fnn mnh in mntn mfn mnh jknhtnnn mother everyday must wash clothes and must cook kin mindziii

very busy

'Mom has to do laundries and cook everyday. She is very busy.'

nù hunu mut, tu mutu bp

mother everyday must wash clothes DE time and mnh jknhtnn knn mnndznn must cook very busy

Therefore, the 'yuè...yuè...' constructions are not coordinate structures. Like conditional constructions, they consist of a subordinate clause and a main clause.

2.2.4 Generalized Topic construction

ik nunuukuhu ik nunuukuhu ik nunuukuhu ik nunuukuhu ik nunuukuhu ik nunuukuhu

weather more hot more many person sleep-not-well 'The hotter the weather is, the more people cannot sleep well.'

nù $\dot{u}[2v\dot{u}$ [$bv\dot{u}$] wùu]^t [$\dot{u}v\dot{u}$ [$\dot{u}v\dot{u}$] [$\dot{u}v\dot{u}$]

more many person weather more hot sleep-not-well

 \dot{m}_{n} \dot{m}_{n} \dot{m}_{n} \dot{m}_{n} \dot{m}_{n} \dot{m}_{n} \dot{m}_{n} \dot{m}_{n}

weather more hot I too sleep-can-well 'No matter how hot it is, I can sleep well.'

ni nin mi jk nin pinkihi "tinti nit

I too sleep-can-well weather more hot

weather as-soon-as hot I then sleep-not-well 'I cannot sleep well as soon as the weather becomes hot.'

nu nhu nhu nhu jk nhunhuk nhu "thuru mu

I then sleep-not-well weather as-soon-as hot

[lèi]]].

Note that yuè₁ cannot occur in the main predicate of a sentence, as shown in (35)a and (36)a. The modificational scope of yuè₁ cannot contain that of yuè₂.⁴

[yuè₂

de

[pâo

Summarizing our observation, the distributions of $yu\grave{e}_1$ and $yu\grave{e}_2$ are as follows: $Yu\grave{e}_1$ and $yu\grave{e}_2$ can appear in the subject and the predicate, the topic and the comment as well as in a conditional/temporal and the consequence clause respectively.

'The more expensive a thing is, the more I like to buy it.'

(37) the distribution of yuè₁ and yuè₂

(35)a. *Tä

yuè₁

yuè2 yuè1		Main subject	Main predicate			conditional/temporal	
			VP	Object	Topic	clause	
Main subject			+	+	_	_	
Main predicate	VP		_	_		_	
	Object	_	_	_	_	_	
Topic		+	+	+	_	_	

257

⁴ Jo-wang Lin (pc.) suggests that there is a positional constraint governing the relative position between yuè₁ and yuè₂ in that 'yuè₁' cannot c-command 'yuè₂'.

conditional/temporal	+	+	+	_	_
clause		'	'		

If we follow the analysis put forth by Tsao (1990) in which subject is regarded as a special case of topic, a temporal or a conditional clause is also topic, then we can generalize the above situations by saying that $yu\dot{e}_1$ occurs in the topic part and $yu\dot{e}_2$ occurs in the comment part of a sentence.

(38)) The	distribution	of vuá1	and vuá2	(revised)
(,				(10,1000)

yuè ₂			COMMENT			
			3.6	Main predicate		TOPIC
yuè ₁		Main subject	VP	Object		
COMMENT	Main predicate	VP	_		_	_
		Object	_	_	_	_
Topic			+	+	+	_
TOPIC	Main subject		_	+	+	_
	conditional/temporal clause		+	+	+	_

2.2.5 yuè lái yuè...

'Yuè lái yuè...' construction is a special subtype of the yuè...yuè...construction consisting of two clauses. Deictic verb lái 'come' in this construction always yields a temporal reading.

Recently business more come more difficult-do LE 'It is getting more and more difficult to do business these days.'

Zhangsan cough DE more come more heavy LE 'Zhangsan is coughing harder and harder.'

There are several differences between the 'yuè lái yuè...' construction and the other bi-clausal 'yuè...yuè...' construction in general. First, the subject of the deictic verb lái must be identical to that of the main clause, while the typical bi-clausal type may have different subjects in the two clauses. Compare (40)b and (41).

mmmin finhmif min zin min lfinhzfind zbin Xiaomei more come more beautiful LE 'Xiaomei is getting more and more beautiful.'

uṇ nʃ fṇhmṇf mzṇ zṇf 'n mṇmṇ mzṇ Ifṇhz fṇnd zbṇ Xiaomei more come her mother more beautiful le nnnin finhmif min pn min lfnhzfnnd zbn Xiaomei more big more beautiful LE 'The older Xiaomei grows, the more beautiful she becomes.'

uṇ ∫ fṇhmṇf muṇ pṇṇ `ṇ uṇuṇ mṇmṇ muṇ rṇnd jṇndṇ

Xiaomei more big her father mother more relaxed 'The older Xiaomei grows, the more relaxed her parents feel.'

In fact, no elements except pause particles may appear between $yu\grave{e}_1$ lái and $yu\grave{e}_2$. as (42)a–c show.

zpi ninini θkind itihnti in in zit in i ltihztind

Zhang Miss more come more beautiful LE 'Miss Zhang is getting more and more beautiful.'

uṇ θkṇnd ifṇhvfṇ mzṇ zṇf iṇ mzṇ

Zhang Miss more come PAUSE more beautiful LE 'Talking about Miss Zhang, she is getting more and more beautiful.'

oṇ ṇ�kṇnd Ifṇh vfṇ_f mzṇ zṇf 'ṇ_f mzṇ Ifṇhzfṇnd zbṇ Zhang Miss more come she more beautiful LE

What is the internal struture of the 'yuè lái yuè...' construction? What does the deictic verb lái subcategorize? There are at least three analyses.

The first analysis is treating the 'yuè lái yuè...' construction as a special case of serial VP constructions. By analyzing the 'yuè lái yuè...' construction as a serial VP construction we may account for the fact that lái and the main predicate have identical subjects since it is a characteristic of all serial VP constructions. However, unlike other serial VP constructions, the deictic verb lái in the 'yuè lái yuè...' construction has no semantic restriction with its subject. Furthermore, although the subject of the 'yuè lái yuè...' sentence always appears before 'yuè lái' as typical serial VP constructions do, the subject of a corresponding construction in Hòló Taiwanese may appear before or after the deictic verb, as shown in (43).

nnnnn nn skn jîsf n zn unfn more go situation will more bad 'The situation is getting worse.'

un λîsf zn skn n zn unfn

situation more go will more bad 'The situation is getting worse.'

The second analysis is that 'yuè lái yuè' is a lexicalized expression, which functions as an adverb. However, while it is true that 'yuè lái yuè' is a quite frozen form, it is definitely not a constituent. Besides, if we treat yuè lái yuè as a lexical item and does not analyze its internal structure, we miss some important generalizations that we can otherwise capture between the 'yuè lái yuè...' construction on the one hand and other 'yuè...yuè...' constructions on the other. For example, like other 'yuè...yuè...' constructions, pause particles such as a, ne may appear between yuè₁ lái and yuè₂. Compare (44) and (45).

nnnin en min mind min min vindwn (s)he more busy more have energy 'The busier (s)he is, the more energetic (s)he becomes.'

ni ei miu miu ii mii mii

(s)he more busy PAUSE more have energy 'The busier (s)he is, the more energetic (s)he becomes.'

nnnin en min znf min Ifnhrnn (s)he more come more stingy '(S)he is getting more and more stingy.'

un en min znf In min Ifnhrnn (s)he more come PAUSE more stingy '(S)he is getting more and more stingy.'

We will propose a third analysis treating 'yuè lái' as an idiomatized temporal clause adjoined to the adjunct position of an IP. Compare (46)a and (46)b.

inini θkind jin [m zi zit] in zi ni iik zin ri iin zit ni zi

Zhangsan more come more not like go Lisi he home 'Zhangsan is getting more and more unwilling to go to Lisi's house.'

uṇ θkṇndjṇn [rṇmṇṣṇhjkṇ pb wṇṇf ṃzṇ vṇn] ṃzṇ vṇnṇkṇndṇ

Zhangsan final-exam RC day more close more nervous 'As the day for final examinations approaches, Zhangsan gets more and more nervous.'

There are differences between 'yuè lái' and typical temporal clauses, however. First, the temporal lái cannot form an independent sentence, while temporal clauses in general can. Compare (47) and (48).

nnn ənmisih jkn pb win f vin zbn final-exam RC day close LE 'The day for final examinations is approaching.'

nnnin nnnknv finn znf zbnⁿ

Time come LE

'(Time) is coming.'

Besides, it is not common for a temporal phrase to be the subject of a deictic verb *lái*. In cases like (50)a, it is plausible to proposed that *okṛn 'fṛn* 'spring' is personified and *lái* denotes moving of a 'person' rather than that of time.

ininini ∎əmmisiyliki bp minit miyh zit

final-exam RC day will come LE 'The day for final examinations is coming.'

ni əlimlişin bp mil lini bih

final-exam RC day will arrive LE 'The final examination is coming.'

nninin nkin fin mih zif zbi Spring will come le

'Spring will come LE 'Spring is coming.'

nử ikiu, tin miy biy spi

Spring will arrive LE 'Spring is coming.'

Furthermore, $yu\grave{e}$ $l\acute{a}i$, unlike other temporal clauses, cannot appear at the initial position of a sentence. 6

nninin n[3/n znf] θknndjin m/n un ink/nn ri nnji

more come Zhangsan more not like go Lisi

he home

un [ənmisih jki mzi vin] θkind jin mzi

⁵ Since Chinese is a pro-drop language, the sentence 'lái le' is grammatical if a covert subject is present. Note that in such cases, the sentence is not interpreted as a temporal clause.

⁶ It is very interesting to observe that the 'lú khì lú' construction in H№ Taiwanese may appear at sentence initial position, as shown in (43) above.

vnnnknndn

final-exam more close Zhangsan more nervous 'As the final examination approaches, Zhangsan gets more and more nervous.'

Concluding from the examples above, we find that the deictic verb *lái* has several characteristics. First of all, the subject of the main clause of the 'yuè lái yuè...' construction is not the subject of the deictic verb *lái*. The external argument of *lái* is missing. We propose that the verb in question is a zero-place predicate without subcategorizing any arguments. It occurs in a few special constructions, such as the 'yuè lái yuè...' construction, and never stand alone as a full sentence. Since the distribution of temporal *lái* is somewhat 'frozen', we might say that yuè *lái* yuè is an idiomatized expression.

2.3 The position of 'yuè'

'Yuè' may appear between the subject and the modal or between the modal and the VP. Its distribution is very similar to that of temporal and locative expressions. The only difference is that 'yuè' alone may not appear sentence-initially while temporal and locative expressions may. According to C. J. Tang (1990), temporal and locative expressions are base-generated at the IP or PrP adjuncts. They may appear at sentence-initial position by topicalization, adjoined to the adjunct position of CP (S'). Tsao (1990) also argued that temporal and locative expression are clause or verbal adjuncts and may be topicalized and adjoined to the sentence-initial position. We suggest that 'yuè,' like temporal and locative expressions, is base-generated at the adjunct position of a predicate. Since 'yuè' is a bound form, it is impossible to topicalize 'yuè' alone. This accounts for the fact that 'yuè' alone cannot occur sentence-initially. Compare (52) and (53).

```
nnnin nn nzn finn rn jknindunn zbn
I yesterday go go-to-office LE
'I went to office yesterday.'
```

```
un \thetan fin in rn jkindun zbn yesterday I go go-to-office LE 'Yesterday I went to office.'
```

nnnin e finnin min win in min jkinnunninknhn weather more hot I more sleep-not-well 'The hotter it is, the more difficult it is for me to have a sound sleep.'

```
un nzn 'finnri win nn mzn jkznnunnnkihn
more weather hot I more sleep-not-well
```

on nzin 'finnri min win ni jkinnunnikihi more weather more hot I sleep-not-well

C. J. Tang (1990) observes that temporal expressions must have a wider scope than other adjuncts of the same level, as (54) shows.

nnf nkn mnndb nnnin en un dnf jknkn. nknnknn pbnmnnd not should (s)he this one-CL time cruel-DE/use dnnnfn pn nnn stick beat me '(S)he shouldn't beat me cruelly/with a stick now.'

uṇ ṇẹṇ uṇ dṇf ṇkṇnkṇn pbṇṃṇnd dṇnṇ fṇ ṇṇf ṇkṇ ṃṇṇdb
(s)he not should cruel-DE/use stick at this one-CL jkṇkṇ pṇ ṇṇṇ time beat me

If Tang (1990)'s observation is right, (55)b is ungrammatical because temporal expressions must take a wider scope than 'yuè.'

minini θkind jin mind, tin min iin xi iin x

Zhangsan tomorrow more early come more good 'The earlier Zhangsan comes tomorrow, the better.

un nθknudjun m'n mind, tin inh sit in'n kihi

Zhangsan more tomorrow early come more good

'Yuè' may not appear between the negative form 'bù' and the VP.

do business more not have experience more not easy nknn rfnnn

earn money

'In business world, the less experienced one has, the more uneasy for him/her to earn money.'

uṇ ṇ�ṇ jkṇndṇṇ mṇṇ mṇf mṇn vṇndṇṇn uṇ mṇṇ do business more not have experience not more

windin ik in the same with the same windin in the same with the same wit

'Yuè' may occur before or after *Unn* phrases and 'bèi' phrases.

zn'nn wnnvfn nnnnin un m₁n m₂n un un snn nn you more slovenly others more not ba you see nnf mmznn eye at

'The more slovenly you are, the more likely you will be slighted.'

eva nà thực màu sưu nh thực màu thực m

you more slovenly others more ba you see not at eye in 'The more slovenly you are, the more likely you will be slighted.'

you more slovenly others BA you more not see at eye in 'The more slovenly you are, the more likely you will be slighted.'

you more slovenly then more BEI/give people Snnnunnnn

see-not-high

'The more slovenly you are, the more likely you'll be looked down upon.'

m∿u nù nù m∿ù sù,uù ∧tù ùnùtùqùtù mùu

you more slovenly then BEI/give people more **Snnnunnrnn**

see-not-high

'The more slovenly you are, the more likely you'll be looked down upon.'

2.4 Dependency and selectional restrictions

2.4.1 yuè₁ and yuè₂ are mutually dependent

'Yuè' appear obligatorily in the yuè...yuè constructions. Yuè cannot be omitted or substituted partly by its classical equivalent yù.

nnnin un min jknndrnn n min dnhinndn you more angry (s)he more happy 'The angrier you are, the happier (s)he becomes.'

un nun iknndrnn dnhinndn m,n you angry (s)he more happy dnhinndn iknndrnn on nun m₁n 'n you more angry (s)he happy lfnhzfnnd zbn nnnin en m₁n pn m₁n (s)he more old more beautiful 'As she gets older, she becomes more beautiful.' lfnhzfnnd zbn un en mn pn mn more old more beautiful (s)he 'As she gets older, she becomes more beautiful.' zbn pn mn lfnhzfnnd on nen m₁n (s)he more old more beautiful LE lfnhzfnnd zbn pn nen mn pn m/n more old more beautiful (s)he LE

The distance between $yu\grave{e}_1$ and $yu\grave{e}_2$ is unbound, as sentences in (61) show.

ınk⊿nn] pb] wnn] [k₂n nnnnin [[nn m₁n m₁n nnh znf]n more like RC person will early come more 'People who I like more will come earlier.' ınk⊿nn] pb] wnn] vfn un [[[m m∠n [nn vfnh [n][m]nmore like RC person I ask him/her more then nnh znf]]n early come 'I ask those who I like more to come earlier.'

2.4.2. yuè and situation types

Smith(1991,1997) distinguishes five types of situation.⁷ They are state, activity, accomplishment. semelfactive, and achievement. $Yu\grave{e}_1$ but not $yu\grave{e}_2$ goes well with activities and semelfactives. Besides, none of them can occur in accomplishment and achievement situations.

⁷ Vendler (1967) was the first to classify verbs according to their situational types. It is argued that a larger unit such as the whole verbal phrase or the whole sentence rather than the verb alone is relevant in terms of situational types (Dowty (1979), Smith (1991, 1997), Hsiao (1992, 1993, 1995), and Tsao and Hsiao (2002), among others.)

2.4.2.1 States

Both $yu\grave{e}_1$ and $yu\grave{e}_2$ may modify scalar states, which can be modified by degree adverb kmn 'very' as well. (62) illustrates this point.

nnnin sinddin min ['fin] min [knhokn]n apple more sweet more delicious 'The sweeter an apple is, the more delicious it is.'

uṇ θkṇ db lṇnddṇ kṇn ['fṇn]ṇ this CL apple very sweet 'This apple is very sweet.'

on θkn db lnndd n knn [knhokn]n this CL apple very delicious 'This apple is very delicious

Some modal verb phrases are also scalar and might be modified by yuè.

nnn θknnd jnn knn snnnnd k n wni nnn Zhangsan very possible will enter-selection 'Zhangsan is very likely to be selected.'

ninini 3 vi sin ind mi vi bp min in vi

more possible enter-selection RC person more nervous 'The more likely for a person to be selected, the more nervous (s)he becomes.'

ni 2'i okiuqqiuqi pp min in'i sininq

more (work)-hard RC person more possible will succeed 'People who work harder are more likely to succeed,'

Like the degree adverb knn and the comparative marker jiao, yue may not modify a reduplicated predicate. Compare (65) and (66).

nnnin un v fin tindn f kin v fin that CL house very old 'That house is very old.'

uṇ uṇ vfṇn tṇndṇf uṇ ṇkṇ vfṇn vfṇn that CL house than this CL old 'That house is older than this one.'

on un vfnn tnndnf vfnvfn pbn that CL house old-old DE 'That house is quite old.'

that CL house than this CL old-old DE

nnnin anndn f min v fn min nnn nknndznn house more old more difficult clear 'The older the house is, the more difficult it is to clear it.'

ni idunque m'u ntuntu ukunque m'u ntuntu ntu

house more old-old DE more difficult clear

Semantically, the reduplicated form of a predicate is not scalar any more though its base form is. Reduplication has the effect of making an adverb absolute rather than ralative.

The feature 'scalar' seems to be relative, however. There are states which can be modified by $yu\grave{e}$ but not by . For example, $y\grave{a}o$ 'want' and $hu\grave{i}$ 'will' may take $yu\grave{e}$ as its adjunct but cannot take km 'very.'

minh rini you more not let me go play I more want go

ni 2'u siu nixi bp miu ii'u

more willing (work)-hard RC person more will succeed 'People who are more willing to work hard are more likely to succeed.'

nnnin nnn knn mnh rn nnnn I very want go play 'I want to play very much.'

uṇ ṇ�kṇnd jṇn kṇn kṇn okṇnddṇndṇ Zhangsan very will succeed '*Zhangsan will succeed very much.'

nnnin 3 n jkn knh lnndmn m.n dnf kni fnnd unndmnndn more be good friend more should each-other help 'The better friends they are, the more necessary for them to help each other.'

uṇ ṇθkṇnd jṇn dṇn ṇṇjṇ kṇn jkṇ kṇh lṇndṃṇṇ Zhangsan and Lisi very be good friend

2.4.2.2 Activities

Unlike km 'very,' $yu\dot{e}$ may be followed by quantifiable activities. $Yu\dot{e}_1$ can modify quantifiable activities and semelfactives even though $yu\dot{e}_2$ cannot. Compare (70)b, c and d.

nnnin θknnd jnn oknndoknnd pn znnr fnn Zhangsan often play basketball 'Zhangsan plays basketball frequently.'

uṇ ṇ�kṇndjṇn kṇn pṇ zṇnrfṇṇ Zhangsan very play basketball

on θ knnd jnn znnr fn m.n pn m.n knhn Zhangsan basketball more play more good 'The more frequently Zhangsan plays the basketball, the better he plays it.'

pṇ ṇ⊕kṇnd jṇn zṇn fṇ mzṇ kṇh mzṇ pṇṇ Zhangsan basketball more good more play

2.4.2.3 Accomplishments and Acheivements

Neither $yu\grave{e}_1$, $yu\grave{e}_2$, nor may modify accomplishments or acheivements⁸. It is a

⁸ One of the reviewers pointed out that 'yuè...yuè...' is compatible with achievements like *jk* in suì 'break to pieces' and accomplishments like *In dnnvnnd* 'wash clean', as shown in (i)a and (i)b.

nhin int ik nh b m i j n m n nin rind jihn

Cup break DE more fragmentary more hard clean

'The more pieces a cup is broken into, the harder it is to clean them up.'

ni 2útú iù bp iu vù qiu niuq iu vù ki pi

Clothes wash DE more clean more good

'The cleaner clothes are washed, the better.'

nf fṇṇn rṇnf n f mzṇ jkznf jzṇ mzṇ nṇn rṇnd jṇhṇ Cup more break fragmentary more hard clean natural consequence because accomplishments and acheivements are bounded and thus not gradable.

Ifnnnnn nnnın nun zınının m₄n min min jkny fnn nknnunf snh jknn you thesis more write-finish more have time prepare exam jkṇvfṇn un nun mn m,n znnnnn m,n Ifnnnnn more have time thesis more write-finish you

'The more pieces a cup is broken into, the harder it is to clean them up.' dnnvnnd knhn un nzntn Ιņ m,n m₄n Clothes more wash clean more good

^{&#}x27;The cleaner clothes are washed, the better.'

zbn knn If nnnnn on nun znnnnn write-finish you thesis very LE mmdn nnnnn nen m₁n 1n m₁n mn(s)he more die more have fame mnnd min inn un nen mnm₁n (s)he more have fame more die zbn knn m on nen (s)he die LE very '*(S)he is very dead.'

Yuè does not modify the VPs with adjuncts or complements of quantity or frequency. Compare (73) and (74).

- nnnin 0knndjnn unmn mn nfnn zbn Zhangsan graduate one year LE 'Zhangsan has graduated for one year.'
 - un 0knnd jnn min ninh unmn min knhn Zhangsan more early graduate more good 'The earlier Zhangsan graduates the better.'
 - où ὑθkùuq jùu m'u tiùu miu u tiùu miùui

graduate

more good

nnnin nn 'nn dnndrnn 'nn jnn n fnn zbn I play piano play three year LE 'I have been playing the piano for three years.'

more early one year

Zhangsan

- uṇ ṇṇndrṇn ṇṇ mzṇ nn mzṇ ṇṇn interest 'The longer I play the piano, the more interested I get in it.'
- oṇ nṇṇndrṇn nṇ mʌn 'ṇn jṇn n fṇn mʌṇ mṇn iṇndrṇṇ piano I more play three year more have interest

Likewise, because a verb phrase with quantity or frequency adjuncts or complement has a fixed point in the scale of quantity or frequency, it is not gradable and cannot take $yu\dot{e}$ as an adjunct. Therefore, it is natural that $yu\dot{e}$ and the quantity or frequency adjuncts or complements are mutually exclusive.

To sum up, $yu\dot{e}_1$ may modify scalar states and quantifiable activities, while $yu\dot{e}_2$ modifies scalar states only. We might generalize that $yu\dot{e}_1$ appear before 'quantifiable'

unbounded situations. States and activities/semelfactives are unbounded while achievements and accomplishments are bounded. Bounded situations are not quantifiable because they contain information of the quantity inherently. A nongradable state is homogeneous, not scalar, and for that reason it is not quantifiable.

2.5 Summary

Summarizing the sections above, the characteristics of the yuè...yuè... constructions are:

The constructions are Topic-Comment constructions, with $yu\grave{e}_1$ in the topic portion and $yu\grave{e}_2$ in the comment part.

Yuè is an adjunct of a predicate.

Yuè can only be used to express proportional proposition consisting of two variables, not more than two.

 $Yu\grave{e}_1$ and $yu\grave{e}_2$ are mutually dependent, and the distance between $yu\grave{e}_1$ and $yu\grave{e}_2$ are unbound.

 $Yu\grave{e}_1$ modifies quantifiable unbounded situations including scalar states and quantifiable activities/semelfactives, but $yu\grave{e}_2$ modifies scalar states.

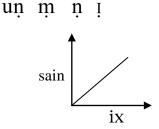
3. The 'xedii...tödii...' Construction in Mongolian

The correlative construction 'xedii...tödii...' in Mongolian has some striking similarities with its counterparts in other languages such as Latin and Chinese.

3.1 The semantics of the 'xedii...tödii...' constructions

The 'xedii...tödii...' construction has two readings. Like the 'èĕĕ èĕĕĕ' construction, it can express a link between two variables, as (75) illustrates. In this case, however, the value of the dependent variable Y always equals to that of the independent variable X, as shown in (75)b.

(75)a. xedii ix bol tödii sain. how-much many TOPIC that-much good 'The more the better.'



Unlike the 'yuè...' construction, it might express an equivalence between two fixed values on two scales, as shown in (76).

(76)a. Bat xedii nas-tai bol, bi tödii nas-tai. Bat how-much age -with if I that-much age-with 'My age is the same as Bat's.'

b. Bat xedii calin av-dag bol tödii
Bat how-much salary take-PRESENT TOPIC that-much
tögrög zarcuul-dag.
money spend-PRESENT
'Bat spends all the money he earns.'

'Quanto...tanto' in Latin has the variable reading and the constant reading, too. The sentence (77)a yields a variable reading in which the degree of someone's grief increases as the duration of deliberation increases. (77)b yields a constant reading where the height attained equals to downfall suffered.

mid f j lbo`hwb kinb wbm mbh

how-much in heart this matter my more voluto. tanto mi aegritudo auctior est in (I)ponder that-much me grief greater is in animo. spirit

'The more I turn this matter over in my mind, the greater the grief is in my soul.' (Michaelis (1992): (1))

uṇ Δbp nhn j'i'bnph tbzfof'i'f mhpμmṇṇṇ ran'h iz'faj

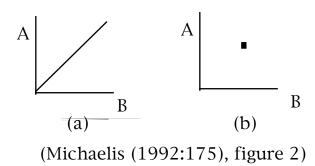
but not setting success imit how-much higher elatus erat tanto foedius conruit.

Lifted (he)was that-much worse (he)fell 'But by not setting a limit to his success, to the extent that he {M. Atilius} had risen high, he fell badly.' (Michaelis (1992): (2))

nf nin Ok nind jim v nin pənjk nin nin v fin v nin pənjk nin Zhangsan donate how-much Lisi then donate how-much 'The amount of money which Zhangsan donated is the same as that donated by Lisi.'

uṇ gṇh ṇṇnmb jkṇk/ṇṇ ifṇn ṇṇṇnmbṇnṇmbṇ ṇṇfṇ want how harvest first how/that-method plant 'Pay as much effort as the harvest you wish to get.' Michaelis (1992:175) schematized the difference between the two readings of the proportional correlative constructions as (78). Mongolian 'xedii...tödii' constructions can be schematized as such, too. Note that both Latin *quanto* and Mongolian *xedii* mean 'how much', while *tanto* and *tödii* mean 'that much'. The "how much...that much..." construcion is a special case of the proportional correlative construction in general. If a=1 and b=0 in (12), then y always equals to x, as shown in (75)b and (78)a. In that case, the ration between x and y is 1. When we assign a fixed value to x in (75)b, we get the constant reading (78)b. Therefore, it is a natural consequence that the "how much...that much..." type proportional correlative constructions have two readings.

nnn



3.2 The types of the 'xedii...tödii...' constructions

Like their counterpart in Chinese, the '*xedii...tödii...*' constructions may consist of two parts, one subordinate clause and one main clause, with the marker *xedii* 'how much' and *tödii* 'that much' in the clause respectively, as (79) and (80) exemplify. ¹⁰

- (79) margaash ta xedii ert ir-vel, tödii sain. tomorrow you how-much early come-if that-much good 'Tomorrow the earlier you come, the better.'
- xurdan (80) güilt-iin uraldaan-d xedii güi-vel, running-GEN race-DAT how-much fast run-if tödii ix shagnal av-na. that-much big prize take-FUTURE 'In running races the faster one runs, the bigger prize (s)he will get.'

Again, the constructions might be sentences with complex NP as subjects, with xedii in

The word order in Mongolian is SOV. The Mongolian data in this paper were collected by the author during 1992–1993.

the subject and *tödii* in the predicate part.

- (81) xedii targan max tödii amttai. how-much fat meat that-much delicious 'The fatter a piece of meat is, the more delicious it is.'
- tödii (82) xedii oroitoj ir-sen xün-d how-much be-late come-PAST person-DAT that-much bag xool onoo-gd-son. small food distribute-PASSIVE-PAST 'The later a man came, the less food was given (to him).'

In the third type of the 'xedii...tödii...' constructions, xedii appears in the topic portion and todii appears in the comment part of a sentence, as (83), (84) and (85) illustrate.

- (83) xedii targan maxan-d bol bi tödii durtai. how-much fat meat-DAT TOPIC I that-much like 'The fatter a piece of meat is, the more I like it.'
- (84) bi xedii targan max-iig bol tödii idex durtai. I how-much fat meat-ACC TOPIC that-much eat like 'The fatter a piece of meat is, the more I like to eat.'
- (85) xedii sain nom bol tödii olon how-much good book TOPIC that-much many xün unshi-na.

 person read-FUTURE

 'The better a book is, the more people will read it.'

To sum up, xedii and $t\ddot{o}dii$ can appear in a conditional and consequence clauses, subject and predicate as well as topic and comment respectively. It is interesting that ' $yu\dot{e}_1...yu\dot{e}_2$ ' in Mandarin Chinese and ' $l\dot{u}...l\dot{u}...$ ' in Southern Min have the same distributions (Hsiao 1993; Tsao and Hsiao 2002; Section 2 above). We have generalized that $yu\dot{e}_1$ and $l\dot{u}_1$ occur in the topic portion while $yu\dot{e}_2$ and $l\dot{u}_2$ appear in the comment part of a sentence. Now let's look at the Mongolian case. According to Hammar (1983), bol is a topic and contrast marker as well as a conditional marker. We find that the subject-predicate type sentences (81) and (82) may be analyzed as topic-comment type sentences as (81') and (82'). If we analyze conditional clauses as topics, then we can get the same generalization as we have in Chinese and say that xedii occurs in topic and $t\ddot{o}dii$ appears in comment part.

- (81') xedii targan max bol tödii amttai. how-much fat meat TOPIC that-much delicious
- (82') xedii oroitoj ir-sen xün-d bol how-much be-late come-PAST person-DAT TOPIC

tödii bag xool onoo-gd-son. that-much small food distribute-PASSIVE-PAST

3.3 Summary

Summarizing the observations above, *xedii* appears in a topic while *tödii* occurs in the comment part of the sentence.

As far as meaning is concerned, like 'quanto...tanto' in Latin, the'xedii...todii...' construction has two kinds of readings, a variable reading and a constant reading. In the variable reading, the part with xedii contains an independent variable **X** while the part with todii contains a dependent variable **Y**. When the degree of **X** increases the degree of **Y** increases proportionally. In the constant reading, the degree of **Y** equals to the degree of **X**.

4. Concluding remarks

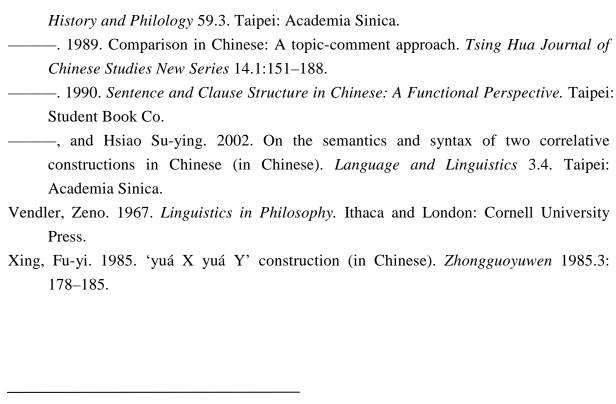
We have shown that Chinese and Mongolian proportional constructions share some syntactic features.

Like Chinese 'yuè...yuè...' and 'lú...lú...' constructions, the first marker of the Mongolian proportional correlative construction 'xedii...tödii...' appears in a topic while the second marker occurs in the comment part of the sentence.

However, the Mongolian 'xedii...tödii...' construction is closer to Latin 'quanto...tanto' construction semantically. Both of them have a variable reading and a constant reading. We might call them "how many...that many..." type proportional correlative constructions. In this type of constructions, the value of dependent variable y always equals to that of independent variable x. On the other hand, Mandarin 'yuè...yuè...' construction and Taiwanese 'lú...lú...' ocnstruction, like English 'the more...the more...' construction, have only a variable reading. We might call them "the more...the more...' type proportional correlative constructions. In this type of constructions, the ration between independent variable x and dependent variable y is not specified. As a result, they do not develop a constant reading as the "how many...that many..." type constructions do.

References

- Chang, Shu-min. 1990. A study of adverbs and adjuncts in Chinese (in Chinese). Hsinchu: National Tsing Hua University M.A. thesis.
- Dowty, David R. 1979. Word Meaning and Montague Grammar. Dordrecht: D. Reidel.
- Fillmore, Charles J. 1987. Varieties of Conditional Sentences. ESCOL 3:163–182.
- Hammar, Lucia B. 1983. Syntactic and pragmatic options in Mongolian: A study of 'BOL' and 'N". Washington: Indiana University Ph.D. dissertation.
- Hsiao, Su-ying. 1992. A study of the correlative construction 'lu...lu' in Taiwan Southern Min (in Chinese). Hsinchu: National Tsing Hua University M.A. thesis.
- ——. 1994. The correlative construction 'xedii...tödii' in Mongolian. Paper presented at the Third International Conference on Chinese Linguistics. City Polytechnic of Hong Kong, Hong Kong (July 14–16, 1994).
- ——. 1995. A study of the correlative construction 'lu²…lu²' in Taiwan Southern Min (in Chinese). *Papers from the First International Symposium on Languages in Taiwan*, ed. by Feng-fu Tsao and Tsai Mei-hui, 253–281. Taipei: Crane Publishing Co.
- Lin, Jo-Wang, and Chih-Chen Jane Tang. 1995. Modals as verbs in Chinese: A GB Perspective. *Bulletin of the History of History and Philology* 66.1:53–105. Taipei: Academia Sinica.
- McCawley, James D. 1988. The comparative conditional construction in English, German, and Chinese, *BLS* 15:176–187.
- Michaelis, Laura A. 1992. The comparative conditional in Latin. BLS 18:166–179.
- Pollock, Jean-Yves. 1989. Verb movement, universal grammar and the structure of IP. *Linguistic Inquiry* 20.3:365–424.
- Smith, Carlota S. 1991. The Parameter of Aspect. Kluwer Academic Publishers.
- ——. 1997. *The Parameter of Aspect*. 2d ed. Kluwer Academic Publishers.
- Tang, Chih-Chen Jane. 1990. Chinese phrase structure and the extended X'-theory. New York: Cornell University Ph.D. dissertation.
- Tsao, Feng-Fu. 1978. Subject and topic in Chinese. *Proceedings of Symposium on Chinese Linguistics*, 1977 Linguistic Institute of the Linguistic Society of America, ed. by Robert L. Cheng, Ying-Che Li and Ting-Chi Tang. Taipei: Student Book Co.
- ——. 1979. A Functional Study of Topic in Chinese: The First Step towards Discourse Analysis. Taipei: Student Book Co.
- ——. 1988. Topics and clause connectives in Chinese. The Bulletin of the Institute of



Su-ying HSIAO Institute of Linguistics (Preparatory Office) Academia Sinica suying@sinica.edu.tw

漢語與蒙古語的比例關聯句式

蕭素英

中央研究院

本文探討漢語 "越…越…" 句與蒙古語 "xedii…tödii…" 句的語意與語法。兩種句式的第一個關聯詞(即第一個"越"與 "xedii")都出現在句子的主題裡,而第二個關聯詞(第二個"越"與 "tödii")則都出現在評論的部份。語意上這兩種句式都表示兩個變數之間的比例關聯; 但是 'xedii…tödii…' 句式還能表示兩個量的相等關係。我們主張,相等關係是比例關聯關係的一個特例。McCawley (1988) 發現比例關聯句式的語意與語法跟條件句、比較句常有平行的現象。我們認為,這是由於比例關聯句式與「條件」、「比較」等概念有密切的關係。因為這種句式表示兩個變數「量」的比例關聯,一個變數的量隨著另一個變數的量而增減,語意上本來就跟「條件」有關。因為比例關聯句式牽涉到量的變化,有變化就有增有減,而所謂「增」或「減」其實就是與一個相對的「標準」比較的結果,自然與「比較」也有關係。因此,「越字句」跟「條件句」、「比較句」有類似的語法特性可以由其語意特性預測得知。

關鍵詞:關聯句式、漢語、蒙古語、越