

The sense of Mẽbengokre nominalizations

Andrés Pablo Salanova (MIT)

To provide a unified structure and interpretation to three constructions of Mẽbengokre:

- “Short” nominalizations:
piʔok-jarẽp-dʒwɿj
paper-say-NMLZR
‘teacher’
- Internally-headed relative clauses:
mẽ kute kum dʒɔɛ jarẽp ja
PL 3erg 3dat Djore say this
‘these that are called Djore’
- Embedded eventive clauses:
ba ʌk kʌɾʌ ma
1nom bird coo hear
‘I heard the bird cooing.’

Goal

- Determinerless NPs, like indefinites, lack quantificational force; they are predicates when they compose with the verbs that take them as (syntactic) arguments.
- VPs therefore denote n-place predicates; one of the arguments is the event argument, the others are type e arguments for each NP that is a syntactic argument of the verb.
- VPs compose with T to form finite clauses, with D to form IHRCs, embedded eventive clauses, and “short” nominalizations.

Proposal

- Internally-headed relative clauses are many-ways ambiguous:
 - a. mẽ kute bariʔu kuru bit nẽ mẽ tẽp kam ku-mẽ
PL 3erg pepper eat only NFUT PL fish in 3-throw
‘Only those that eat pepper put it on the fish’, or
‘Only that pepper which they eat do they put on the fish.’
 - b. mẽʔõ kute mẽ i-mʌ mẽkrĩdʒʌ ɲõrõ nẽ jã
someone 3erg PL 1dat chair give NFUT this
‘These are the chairs that someone gave us’, or
‘This is the one that gave us the chairs.’
- Arguments and adjuncts can head the IHRC:
kubẽ kot i-tẽ-m nẽ ije aɲro bĩ-n nẽ jã
barbarian with 1-go-PART and 1erg peccary kill-PART NFUT this
‘This is the white man with whom I went and killed peccaries.’

Participant readings

- Determiners in Mẽbengokre are unselective binders; they can bind any free variable in their scope.
- We know little about their semantics; we’ll just assume they are definites. All variables not bound by the determiner get existentially closed.
- Two types: ja and wa (related to demonstratives), can bind variables of type e ; \emptyset can bind variables of type e and of type l (eventuality). Constructions with the former are always interpreted as IHRCs; constructions with the latter can be both IHRCs and eventive complement clauses:

ba kute arõ-ɲ ma
1 3+ERG 3+say-PART hear
a. “[I heard] him saying it”
the $e.\exists x.\text{say}'(e, \text{him}', x)$
b. “[I heard] what he said.”
the $x.\exists e.\text{say}'(e, \text{him}', x)$

IHRCs and eventive clauses

- Two morphemes have been called nominalizers in the literature on Jẽ languages: dʒʌ “instrument nominalizer” and dʒwɿj “agent nominalizer”.
- Our contention: what they attach to is already nominal (i.e., it’s an eventive complement clause).
- The “nominalizers” are just the nouns dʒʌ “container” and dʒwɿj “master”.
- There is no strict selection of particular participants in “instrument” nominalizations:

a. i-tẽm-dʒʌ
1-go-dʒʌ
“The time of my going.”
b. i-dʒʌkuru-dʒʌ
1-eat-dʒʌ
“My eating utensils”, but also: “my eating place”, “my food”, etc.

- With dʒwɿj there’s less leeway in interpretation (i.e., the “master” of an action always seems to be the agent); uses of dʒwɿj with complement nouns illustrate the range of its meaning:

matka-dʒwɿj
airplane-dʒwɿj
“Pilot”, “airplane owner”, “controller”, etc.

What are so-called nominalizers?

References

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I would like to thank my consultant Bep Kamrẽk Kayapõ for discussing these data with me, and Maria Amélia Reis Silva, Lisa Matthewson and Sabine Iatridou, and the audience at a UBC research seminar, especially Martina Wiltschko, for valuable comments. Thanks to Pranav Anand for showing me how to create this poster.

References and acknowledgements

- “Non-finite” verb form:
 - Usually embedded, but can appear in matrix contexts with a generic or other stative reading.
 - Is opposed to a single “finite” form, which cannot be embedded.
 - Non-finite forms don’t assign nominative.

- Ergativity:

Nominative in “finite” clauses:
a. ba a-pumũ b. ba boj
1nom 2-see 1nom arrive

Ergative in “non-finite” clauses (including all of the constructions in question):

a. ije a-pumũɲ b. i-boj
1erg 2-see 1-arrive

- Lack of higher functional structure:

Focus, tense/mood, and pre-Asp subject positions available in matrix clauses:

kukrut nẽ ba aɲm ku-bĩ
tapir NFUT 1nom COMPLETE 3-kill

Not available in embedded (i.e., non-finite) clauses:

(*kukrut) (*nẽ) (*ije) aɲm ije bĩn
tapir NFUT 1erg COMPLETE 1erg kill

Characteristics common to all of these

- a. ba ʌk kʌɾʌ ma
1Nom fowl coo hear
‘I heard the bird calling.’
- b. a-tẽm mɛj
2-go good
‘You went well.’ (not: ‘It was good that you went.’)

Eventive (not propositional) readings

- Adjoined relatives in Warlpiri (cf. Larson 1982) have participant or temporal (though apparently not eventive) readings:

ngajulu-rlu-rna wawiri nyangu, kuja-npa pantu-rnu
I-ERG-1sg kangaroo see-PAST, COMP/AUX-2sg spear-PAST
nyuntulu-rlu
you-ERG

- (i) “I saw the kangaroo which you speared”
(ii) “I saw the kangaroo when you speared it”

A precedent

- We contend that all the constructions in question share the following structure at the bottom of the tree:

[man[Voice [jaguar [kill v] VP] Voice'] VoiceP]

- I.e., (1) there are no verbal predicates without Voice; (2) Asp is not required in non-finite clauses.

- Denotations are as follows, where we assume the following semantic types: individuals (e), eventualities (l), and truth-values (t).

– $\llbracket \text{kill} \rrbracket = \lambda x_e. \lambda e_l. \text{kill}'(e, x)$
– $\llbracket \text{Voice} \rrbracket = \lambda x_e. \lambda e_l. \text{Agent}(e, x)$
– $\llbracket \text{jaguar} \rrbracket = \lambda x_e. \text{jaguar}(x)$ (same for $\llbracket \text{man} \rrbracket$)

- Crucial assumption (cf. Heim 1982): indefinite noun phrases lack quantificational force.

- Implementation: a rule of Predicate Restriction (cf. Chung and Ladusaw 2004), by which indefinite noun phrases combine as predicates with the verbs of which they are arguments:

– Predicate Restriction (op. cit., p. 5)
 $\lambda y. \lambda x. P(y, x) \wedge Q(x)$

$\lambda x. \lambda y. P(y, x) \quad \lambda x. Q(x)$

- $\llbracket \text{kill jaguar} \rrbracket = \lambda e. \lambda x. \text{kill}'(e, x) \wedge \text{jaguar}'(x)$, something like “jaguar-killing”.

- The external argument is introduced by a modified version of Kratzer’s Event Identification rule (cf. Kratzer 1996):

– “Generalized” Event Identification:
 $\lambda x. \lambda e. P(e, \dots) \wedge \text{Agent}(e, x) \in D_{\langle e, \langle l, X \rangle \rangle}$

$\lambda x. \lambda e. \text{Agent}(e, x) \in D_{\langle e, \langle l, t \rangle \rangle} \quad \lambda e. P(e, \dots) \in D_{\langle l, X \rangle}$

Where X ranges over the relevant predicate types.

- $\llbracket \text{Agent kill jaguar} \rrbracket = \lambda y. \lambda e. \lambda x. \text{kill}'(e, x) \wedge \text{jaguar}'(x) \wedge \text{Agent}(e, y)$.
- And finally, $\llbracket \text{man kill jaguar} \rrbracket = [\lambda y. \lambda e. \lambda x. \text{kill}'(e, x) \wedge \text{jaguar}'(x) \wedge \text{Agent}(e, y)](\text{me}') = \lambda e. \lambda x. \text{kill}'(e, x) \wedge \text{jaguar}'(x) \wedge \text{Agent}(e, \text{me})$
- What do we have here? — An n-place predicate where one of the arguments is of type l , and the others, one for each indefinite argument of the verb (or of Voice), is of type e . This is the denotation of the extended projection of a non-finite verb.
- For syntactic reasons, this will only combine with one of two things: D or T. Combining it with T yields finite verb forms:

$\llbracket \text{Fin} \rrbracket = \lambda P_{lt}. \exists e P(e)$

- This head can only take properties of eventualities as arguments. Existential Closure saturates predicates of individuals at the Event level, as assumed by Chung and Ladusaw (2004), i.e., right before Fin is merged, giving existential interpretations to the V’s arguments.

The semantic analysis