

1. Derived Nature of Mende’s OV structure

In this talk I argue that Mende’s SOV word-order is underlyingly SVO. The subject, verb, and object all subsequently raise out of the verbal shell generating the canonical SOV order.

Mende languages are claimed to have a strict SOVX order (Gensler 1994, Nikitina 2009, Creissels 2005).

(1)¹ **S** **O** **V**
 Peter mbe-i yeya-i-lo²
 Peter rice-DEF.SG buy-PST-ASP
 ‘Peter bought the rice’

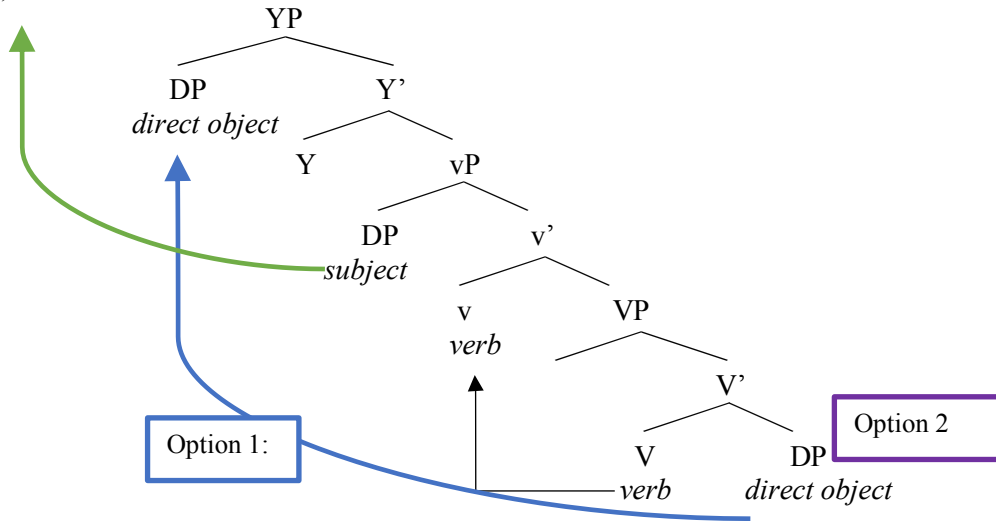
I argue that:

- The base order in the verbal shell is SVO (Kayne 1994)
- On the surface: two types of verbs
 - V with pre-verbal object
 - V with post-verbal objects
- They are distinguished by how they get case

Empirical Objective: Mende is not strictly SOV

Analytical Objective: Mende’s underlying structure is SVO

(2) Canonical Verbs and A-Verbs



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² I use standard Mende orthography throughout

Evidence for this analysis from 3 sources:

a) Existence of verbs that take post-verbal objects

(3) *ngi* {**guli*} *ja-i-lɔ* *a* {*guli*}
1SG tree touch-PST-ASP A tree
'I touched the tree'

b) Unergative verbs that take pre-verbal or post-verbal cognate objects

c) Quantifier float

Roadmap:

- Background on Mende
- Previous research on Mende and Mande languages
- Evidence for this analysis from 3 sources
- Conclusion

2. Background:

- Data collected in Bo, Sierra Leone, in 2019 through structured elicitation with 2 native speakers, and follow up via WhatsApp and Zoom

Mende Background

- Mende (ISO 639-2 *men*) ~ two million speakers in the southern and eastern parts of Sierra Leone and Liberia (Eberhard, Simons, and Fennig 2020).

4 Major Dialects of Mende

- Kɔɔ* (eastern Sierra Leone)
- Kpa* (southwestern Sierra Leone)
- Sewama* (south-central Sierra Leone)
- Waanjama* (south-eastern Sierra Leone and Liberia)

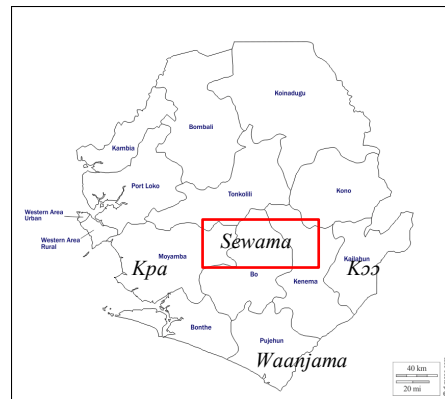


Figure 1 - Mende Speaking Areas of Sierra Leone
(https://dmaps.com/carte.php?num_car=66061&lang=en)

- Previous research - *Kɔɔ* (c.f. Innes 1967)
- My research and examples - *Sewama*

Language Family: Niger Congo - Mande - Western Mande (Williamson and Blench 2000).

3. Previous Syntactic Analyses:

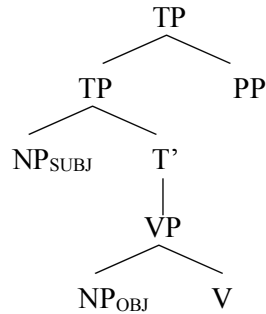
Mende

- Very little syntactic analysis (most work on tone (c.f. Leben 1973, Goldsmith 1978) and consonant mutation (c.f. Dwyer 1969, Conteh, Cowper and Rice 1986, and Tateishi 1990))
- Descriptive grammar Innes (1971)
- Tense/Aspect Sengova (1981)

Mande Family

- Western Mande: Mahou (Koopman 1984), Kpelle (Travis 1989), Bambara (Koopman 1992), Dafing (Sande, Baier, Jenks 2019)
- Eastern Mande: Wan (Nikitina 1997, 2009, 2011, 2012, 2019)

(4) Clausal Structure of Wan (adapted from Nikitina 2009: 19)



LFG Analysis - doesn't seem like it could be straightforwardly transferred to Mende

- Post-verbal direct objects

4. Towards an Analysis

4.1 A-verbs

- There are verbs in Mende with post-verbal objects, *a*-verbs.

A-verbs: *ja* 'touch', *lo* 'want', *la* 'believe', *li* 'take', *lawe* 'brag', *njia* 'quarrel', *lolo* 'hate', *ngi* 'remember', and *waa* 'bring', etc.

- (5) a. Peter *la-i-lo* ***(a) ndupu-i-sia**
 Peter believe- PST-ASP A child-DEF-PL
 'Peter believed the children

- Property 1: Post-verbal object
- Property 2: Preceded by *a*

- b. *Peter **(a) ndupu-i-sia** *la-i-lo*
 Peter A child-DEF-PL believe- PST-ASP
 'Peter believed the children

- Object cannot be pre-verbal

- c. *Peter **ndupu-i-sia** *la-i-lo* **a**
 Peter child-DEF-PL believe- PST-ASP A
 'Peter believed the children

- *A*-particle cannot be stranded

- (6) *Peter majia-i-lɔ / negeya-i-lɔ / lɔ-i-lɔ / nguwa-i-lɔ / gbafa-i-lɔ a nike-i-sia
 Peter sell-PST-ASP / buy-PST-ASP / see-PST-ASP / wash-PST-ASP / insult-PST-ASP A cow-DEF-PL
 ‘Peter sold / bought / saw / washed / insulted the cows’

- *A*-verbs are generally lexically idiosyncratic (I’ll look later at a few counter-examples)
- Canonical verbs cannot have post-verbal direct objects

4.1.1 *Function of the a Particle*

Mende is canonically postpositional, except for the preposition *a*. It occurs post-verbally in three other relevant contexts:

- (7) Peter yenge-i-lɔ a **Mary kɛ Lawrence** kpaa hun (Introduces a Comitative Object)
 Peter work-PST-ASP A Mary and Lawrence farm on
 ‘Peter worked with Mary and Lawrence on the farm’

- (8) Peter yenge-i-lɔ a **kali-i kɛ koni-i** (Introduces an Instrumental Object)
 Peter work- PST-ASP A hoe-DEF.SG and axe-DEF.SG
 ‘Peter worked with the hoe and the axe on the farm.’

- (9) Peter Mary gɛ-i-lɔ a **Tommy** (Introduces a Goal)
 Peter Mary introduce- PST-ASP A Tommy
 ‘Peter introduced Mary to Tommy’

- Category: *a* seems to be a preposition
- Semantic meaning is unclear

4.1.2 *Case in Mende*

- (10) Peter **ti** lɔ-i-lɔ (Canonical Object Pronoun)
 Peter 3PL see-PST-ASP
 ‘Peter saw them (Mary and Lawrence)’

- (11) **ti** Peter lɔ-i-lɔ (Canonical Subject Pronoun)
 3PL Peter see-PST-ASP
 ‘They (Mary and Lawrence) saw Peter’

- (12) Peter la-i-lɔ a **tiye** (A-object Pronoun)
 Peter believe-PST-ASP A 3PL
 ‘Peter believed them (Mary and Lawrence)’

- Case is not marked in Mende, except on pronouns.
- A different paradigm of pronouns is used for *a*-objects.

Conclusion: The *a*-preposition assigns case to the direct object

4.1.3 *The a-object as Complement*

- (13) a. ngi ja-i-lɔ a **nike-i-sia**
 1SG touch-PST-ASP A cow-DEF-PL
 ‘I touched the cows’

b. *ngi ja-i-lɔ a nɪke-i-sia a koni-i-sia*
 1SG touch-PST-ASP A cow-DEF-PL A axe-DEF-PL
 ‘I touched the cows with the axes’
 *‘I touched the axes with the cows’

c. *ngi ja-i-lɔ a koni-i-sia a nɪke-i-sia*
 1SG touch-PST-ASP A axe-DEF-PL A cow-DEF-PL
 ‘I touched the axes with the cows’
 *‘I touched the cows with the axes’

- Only the *a*-string adjacent to V interpreted as theme/patient
- Conclusion: *a*-object merged as sister to V

Correlations:

- Post-verbal: dummy preposition *a*
- Pre-verbal: no dummy preposition
- Two different sets of lexical verbs

Koopman (1984, 1992) on Bambara: DO raises to preverbal position for Case.

Proposal for Mende: **DO raises to preverbal position for Case = canonical Verb**

OR

DO remains in merge position and dummy P inserted = *a*-Verb

4.2 *Unergatives with Cognate Direct Objects*

A class of unergative verbs that permit their cognate direct object to either precede or follow the verb.

ngele ‘smile’, *tiso* ‘cough’, *pinde* ‘jump’, *pime* ‘run’, *jia* ‘walk’, *hambo* ‘yawn’, *lapi* ‘fight’, *ndaapi* ‘swim’, etc.

(14) Peter {(*) **ngele jembɛ**} *yɛɛ-i-lɔ* {**a ngele jembɛ**}
 Peter { A smile big} smile-PST-ASP {A smile big}
 ‘Peter smiled a big smile’ (*yɛɛ* = mutated form of *ngele*)

(15) Peter {(*) **pinde jembɛ**} *winde-i-lɔ* {**a pinde jembɛ**}
 Peter A jump big jump-PST-ASP A jump big
 ‘Peter jumped a big jump’ (*winde* = mutated form of *pinde*)

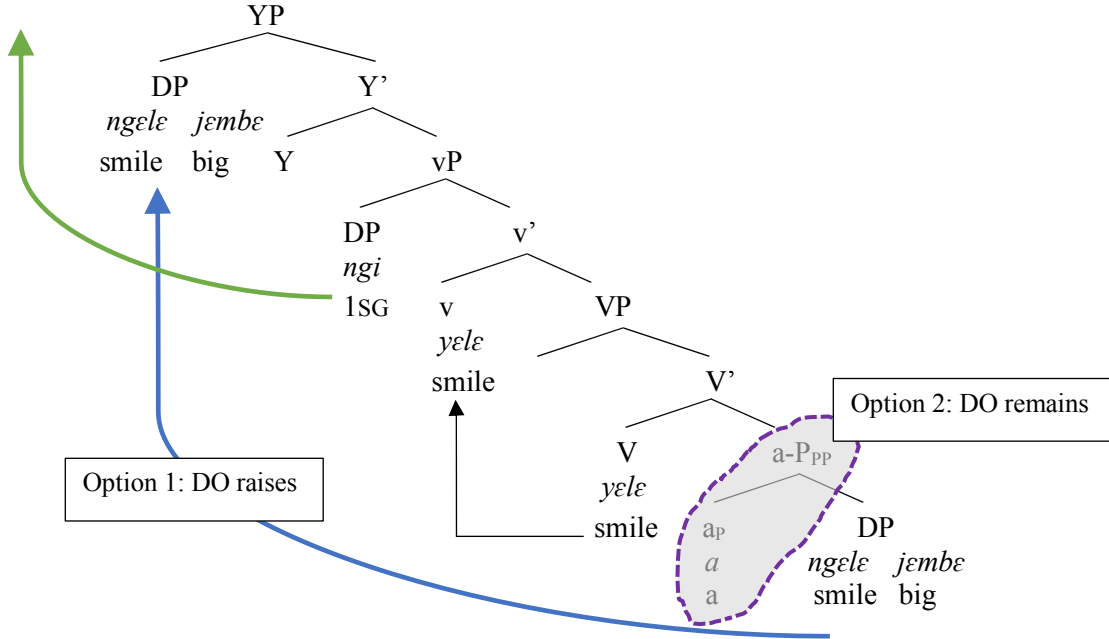
- Generalization: post-verbal object introduced by *a*
- Generalization: pre-verbal object cannot be introduced by *a*

Analysis: Unergatives and Object Raising

- Pre-verbal object of unergative = (**a*) **and** bare object
- Post-verbal object of unergative = (**a*) **and** *a*-object

(16)

Unergative Verbs with Cognate Objects



By-now familiar Correlations:

Unergative verb / Canonical verb

= (*a) **And** pre-verbal bare object

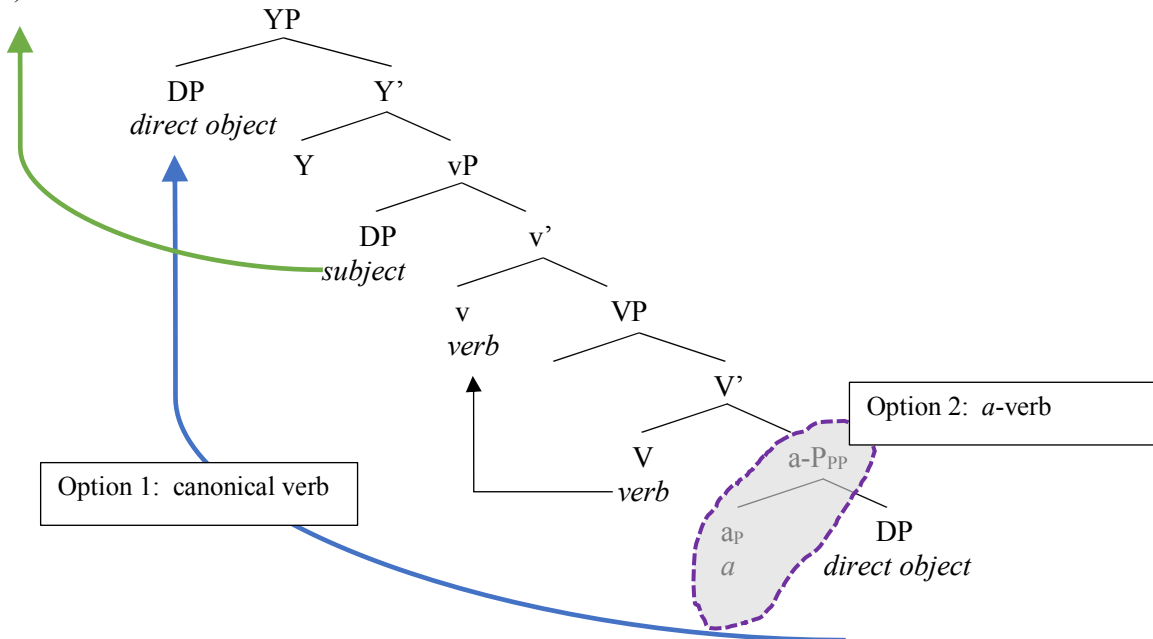
Unergative verb / a-verb

= (*a) **And** post-verbal a-object

Analysis in a nutshell:

- Surface patterns for A-verbs and canonical verbs arise from the same processes as unergatives.
- OV is derived from VO.

(17) Canonical Verbs and A-Verbs



4.3 Stranded Quantifiers

- (18) the children will all sing
[DP the children]will [VP [DP all [~~DP the children~~]] sing]

Given that only leftward movement is permitted, quantifier float is significant in showing the base position of the moved DP (Sportiche 1998, Fitzpatrick 2006).

If a quantifier can be floated in position X, then the associated DP must have been in position X at some point in the derivation.

- (19) a. ndopo-i **sɛɛ-i-sia** **kpɛɛ** me-i-lɔ S [OQ] V *t*
child-DEF.SG banana-DEF-PL all eat-PST-ASP
'The child ate all the bananas'
- b. ndopo-i **sɛɛ-i-sia** me-i-lɔ **kpɛɛ** S [O] V [*t*Q]
child-DEF.SG banana-DEF-PL eat-PST-ASP all
'The child ate all the bananas'

- Direct object and quantifier both raise into pre-verbal position (like a canonical verb)
- Direct object can raise while quantifier is stranded (like an *a*-verb)

5. Conclusions

Mende:

- Both pre-verbal (canonical verbs) and post-verbal (*a*-verbs) direct objects
- They differ in how they assign case to their object (Koopman (1984, 1992)
- Their behavior is reflected in the two positions of cognate direct objects of the class of unergative verbs.
- Quantifier Float points to the direct object having been in a post-verbal position.
- Mende's SOV surface order is derived from an underlying SVO order

Other evidence to be considered:

- Other post-verbal object constructions
- Binding

Further Research:

- Post-verbal objects in related Mande languages (Loko, Bandi, etc.)

wu sie
(thank you)

6. References

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