IGRA 01

Opacity in Syntax

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Counter-feeding in Syntax

Wanna Contraction

1. Control vs ECM

- $1.1\,$ Who do you want to meet ?
- 1.2 Who do you wanna meet ?
- 1.3 Who do you want to meet Mary ?
- 1.4 * Who do you wanna meet Mary?

Coarse Analysis

Two operations:

Wanna-contraction (optional) contract adjacent want and to Wh-movement (obligatory) front a wh-word

Counter-bleeding in Syntax

2. Reflexivization in Imperatives

- 2.1 * Wash you!
- 2.2 Wash yourself!

Analysis

Two processes:

Principle A an anaphor is bound within its minimal clause Imperative subject deletion In imperatives, subjects are deleted

Wh-movement from ECM Complements

3. Who₁ do [$_{TP}$ you believe [$_{TP}$ t₁ to have left]] ?

ECM complements are TPs

(because CPs block case assignment)

Subjacency

movement cannot cross two bounding nodes

• Bounding nodes in English: DP and TP

* How₁ does [TP she know [CP [which car]₂ [TP Mary fixed t₂ t₁]]] ? How₁ do [TP you think [CP t₁ [TP Mary fixed the car t₁]]] ? Goal Preserve spirit of assumptions

New Assumptions

- ECM complements are TPs at some point
- All sentential complement verbs select for CPs
- new operation: Structure removal
 - can delete heads

believe selects CP do [TP you believe [CP who1 [TP t1 to have left]]] move WH who1 do [TP you believe [CP t1 [TP t1 to have left]]] case via structure removal who1 do [TP you believe [TP t1 to have left]]

- 4. Anti-freezing vs freezing
 - 4.1 [VP t_1 gelesen]₂ hat [das Buch]₁ keiner t_2
 - 4.2 * Was₁ denkst du [VP t_1 gelesen]₂ hat keiner t_2
 - 4.3 * Was1 hat [VP t1 gelesen]2 keiner t2

Analysis

CED Movement cannot cross a barrier

- 1. an XP is a barrier iff it is not a complement
- 2. ... iff it has been moved

X-Criterion an [X]-marked YP must show up in SpecZP, where Z requires [X]

- i.e. movement is feature-driven, consent is required from both parties
- [TOPIC], [SCRAMBLE], [WH]

A case study on syntactic copying

Background

• Yoruba is

- an official language of Nigeria
- spoken natively by ${\sim}40$ mil people
- useful to think of as a Kwa language
- Yoruba has
 - three level tones (H, M, L)
 - (Subject-)Verb-Object, Noun-Determiner, Noun-Possessor
 - three areal constructions:
 - 1. serial verbs
 - 2. predicate clefts
 - 3. verbal relatives

- Jimo ra adie Jimo buy chicken
 'Jimo bought a chicken'
- Adie ti Jimo ra kere chicken that Jimo buy little 'The chicken Jimo bought was little'

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- Adie ti Jimo ra kere chicken that Jimo buy little "The chicken that Jimo bought is little."
- Rira ti Jimo ra adie ko da buying that Jimo buy chicken not good "The way/fact that Jimo bought the chicken wasn't good."
- 3. Rira adie ti Jimo ra adie ko da buying chicken that Jimo buy chicken not good

- Adie ti Jimo ra kere chicken that Jimo buy little "The chicken that Jimo bought is little."
- Rira ti Jimo ra adie ko da buying that Jimo buy chicken not good "The way/fact that Jimo bought the chicken wasn't good."
- 3. Rira adie **ti** Jimo ra adie _{ko da} buying chicken that Jimo buy chicken not good

- Adie ti Jimo ra kere chicken that Jimo buy little "The chicken that Jimo bought is little."
- Rira ti Jimo ra adie ko da buying that Jimo buy chicken not good "The way/fact that Jimo bought the chicken wasn't good."
- 3. Rira adie ti Jimo ra adie ko da buying chicken that Jimo buy chicken not good

- * Jije ti Jimo ra adie eating that Jimo buy chicken
- * Rira nkan ti Jimo ra adie buying something that Jimo buy chicken
- * Rira adie ti Jimo ra nkan buying chicken that Jimo buy something

Phrasal copies in Yoruba I: Serial Verbs

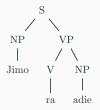
- Bode ti Akin şubu Bode push Akin fall
 "Bode pushed Akin down."
- Titi ti Bode ti Akin subu pushing REL Bode push Akin fall "The fact/way Bode pushed Akin down"
- Titi Akin şubu ti Bode ti Akin şubu pushing Akin fall REL Bode push Akin fall
- Titi <u>subu</u> ti Bode ti Akin <u>subu</u> pushing fall REL Bode push Akin fall

Phrasal copies in Yoruba II: Tones

- Olu rā adiẹ Olu buy chicken
- Rirà ti Olu rā adie buying REL Olu buy chicken
- Rirā adie ti Olu rā adie buying chicken REL Olu buy chicken

Simple Sentences

- Rira ti Jimo ra adie ko da buying that Jimo buy chicken not good
 "The way/fact that Jimo bought the chicken wasn't good."
 - Rira adie ti Jimo ra adie ko da buying chicken that Jimo buy chicken not good



Complex Sentences

- Titi ti Bode ti Akin subu ko da pushing that Bode push Akin fall not good
 "The way/fact that Bode pushed Akin down wasn't good."
- Titi subu ti Bode ti Akin subu ko da pushing fall that Bode push Akin fall not good
- Titi Akin subu ti Bode ti Akin subu ko da pushing Akin fall that Bode push Akin fall not good

The derivational history of serial verb constructions:

- V₁
- V₁ V₂
- V1 0 V2

Verbal Relative Clauses and Typology

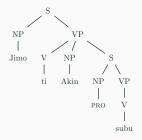
$S \ [V_1 \ O \ V_2]_{VP}$

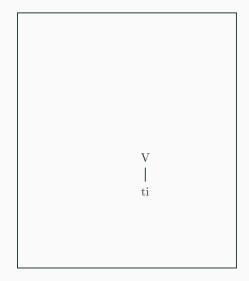
- Yoruba (Yoruboid: Nigeria) copying of V, V₁ + V₂, and VP
- Wolof (Atlantic: Senegal): copying of V, V₁ + V₂
 - Twi (Kwa: Ghana): copying of V

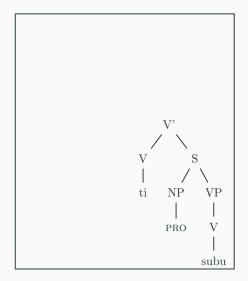
• Argument Sharing in SVCs mediated by PRO

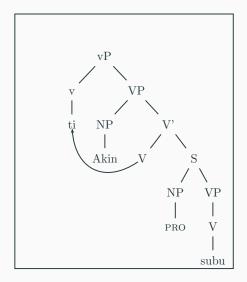


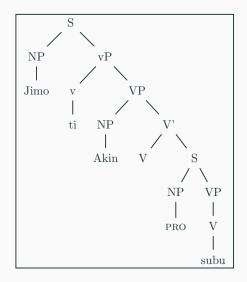
- Argument Sharing in SVCs mediated by PRO
- Verbs in a series have then the following gross structure:











Deriving Opaque Copies

Titi șubu ti Bode ti Akin șubu

[ti şubu] ← copy here! (merge ti and {şubu})
[Akin [ti şubu]] (merge Akin)
[ti [Akin [şubu]]] (head move ti)
[Bode [ti [Akin [şubu]]]] (merge Bode)
[ti [Bode [ti [Akin [şubu]]]] (merge ti)
[[ti şubu] [ti [Bode [ti [Akin [şubu]]]]] (merge copy of ti şubu)

Deriving Opaque Copies II

Rira ti Olu ra adie

- [rà] ← copy here!

- [rà adie]
- [ra adie]
- [Olu [ra adie]]
- [ti [Olu [rā adie]]]
- [rà [ti [Olu [ra adie]]]]

(merge *ra* and {adie}) (tone change rule) (merge Olu) (merge ti)

(merge copy of ra)