Tone-stress contact in the Afro-Atlantic prosodic area

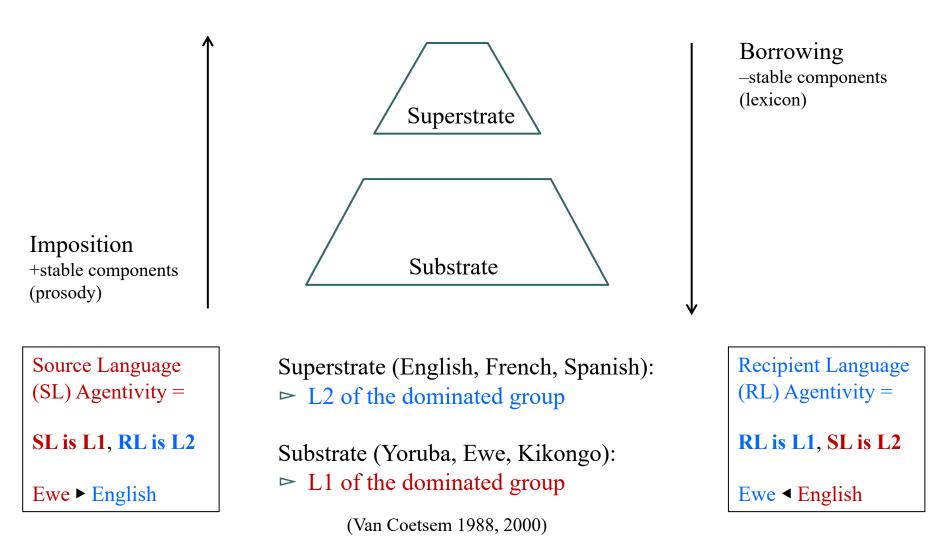
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The null hypothesis: Tone is eliminated or simplified when stress and tone languages meet

(8) Distinctive tone tends to be reduced in function or lost altogether (Spencer 1963: 137; Manessy 1964: 81/82; Richardson 1962: 193; Fehderau 1966: 46/47; Samarin 1962: 59/60).	(Heine 1978: 220)
More specifically, tone languages appear to lose distinctive tone and to develop first a pitch accent system, then a stress-based, and eventually a fixed stress accent system in language contact settings.	(Salmons 1992: 56)
Tone therefore seems to be an early casualty of language contact between tonal and non-tonal languages.	(Sebba 1997: 49)
More specifically, languages known as creoles make very little or no use of tone to (a) lexically contrast phonetically identical monosyllables,	(McWhorter 1998: 793)
The loss of tone and the reduction of noun classes and TMA markers are typical candidates for an explanation in terms of contact-induced simplification. However, these changes also occurred in related and unrelated language	(Rusters 2003: 5 15)
as well as other processes such as loss of tone and reduction in phonotactic possibilities: pidgin languages typically have CVCV structure and relatively small phoneme inventories, and lack contrastive tone.	(Trudgill 2010: 309)
The reason for this is that <i>grammars</i> are not robustly transmitted during creolization, since morphology and tones are particularly hard to master during untutored SLA.	(Sessarego 2020: 4)

The tone loss hypothesis is conceptually flawed because it doesn't distinguish between the two transfer types of **imposition** vs. **borrowing**



Prosodic contact outcomes under Source Language Agentivity

(i)
$$IN_{SUP} + TO_{SUB/ADS} = TO_{CON}$$

(ii) $TO_{SUP} + IN_{SUB/ADS} = IN_{CON}$
(iii) $TO_{SUP} + TO_{SUB/ADS} = TO_{CON}$
(iv) $IN_{SUP} + IN_{SUB/ADS} = IN_{CON}$
(Bordal Steien & Yakpo 2020)

IN: Intonation-only (stress) language TO: Tone language SUP: Superstrate SUB: Substrate ADS: Adstrate

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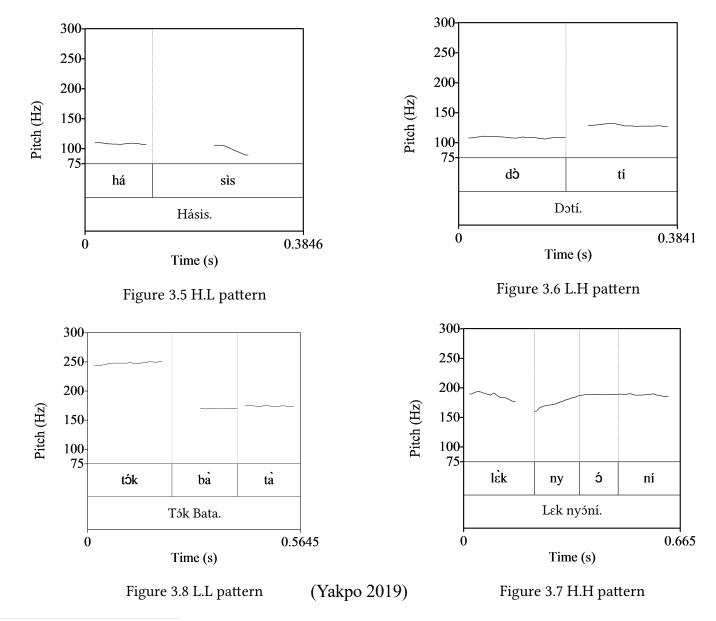
The gist of the argument

- Speakers of African tone languages imposed tone systems on all Afro-Atlantic Creole languages and colonial varieties of English, French, Spanish, and Portuguese spoken in Africa and (probably) the Americas.
- Genetic affiliation, demography, social stratification, and other social factors in an ecology drive switches from tone to stress systems and vice versa, as well as the emergence of mixed tone-stress systems.
- The outcome is an areal-typological continuum across the Afro-Atlantic with tone systems clustering in the east (Africa) and stress in the west (Americas). Various types of mixed systems combining features of tone and stress converge on the areal buffer zone of the Caribbean.

Roadmap

- 1. Characteristics of Afro-Atlantic contact prosodic systems
- 2. Mechanisms in the emergence of contact prosodic systems
- 3. Typology of prosodic contact outomces
- 4. Areal-geographic distribution of outcomes across the Afro-Atlantic





Lexical tone in Pichi (Equatorial Guinea)

(1)	Monosyllabic minimal pairs				
	L tone		H tone		
	dè	'IPFV'	dé	'day; there'	
	dì	'DEF'	dí	'this'	
	lèk	'like'	lék	'(to) like'	
	wèt	'with'	wét	'wait'	

(2)(a) **Disyllabic minimal pairs**

kàtá /LH/	'catarrh'	kátà /HL/	'scatter'
pàpá /LH/	'father'	pápà /HL/	'potato'

(b) Maximal number of tone patterns

fibà /HL/	'fever'	nyóní /HH/	'ant'
wàtá /LH/	'water'	bàtà /LL/	'buttocks'

(c) Phrasal minimal pair

<i>ópìn yáy</i>	'open (an)	òpìn-yáy	'cultivated'
/HL H/	eye'	/LL-H/	

(Yakpo 2013, 2019a)

Lexical tone in Pichi: Ideophones - more diverse tone patterns

Ideophones, ideophonic verbs and nouns

Example	Pitch class	Translation
gbin	Н	'sound of a hard, sudden blow'
pring	Н	'sound of ringing'
tik	Н	'cracking sound'
kwaráng	H.H	'sound of round and hard object(s)
		falling into a receptacle'
wewé; wowó	H.H	'sound of crying and wailing'
kóngkəngkóng	H.H.H	'seek permission to enter'
súkútúpàmpa	H.H.H.L.L.L	'in a cheap and mean fashion'
bwà	L	'sound of water gushing'
kìp	L	'sound of a dull thud'
kamúkàmú	L.H.L.H	'sight of buttocks moving'
katakatá	L.L.H.H	'be active, hectic'
menyemenyé	L.L.H.H	'whine, nag in a childlike fashion'
kakàra	L.L.L	'be restless'
kutùku	L.L.L	'sound of heart beating'

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Tone in two colonial contact varieties Central African French & Equatorial Guinean Spanish

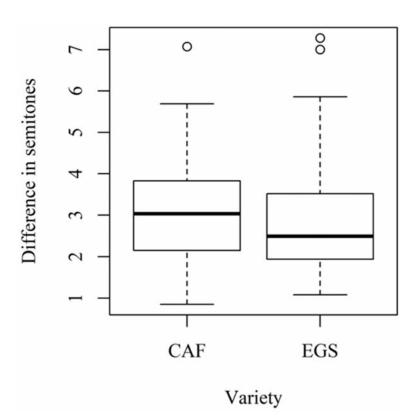
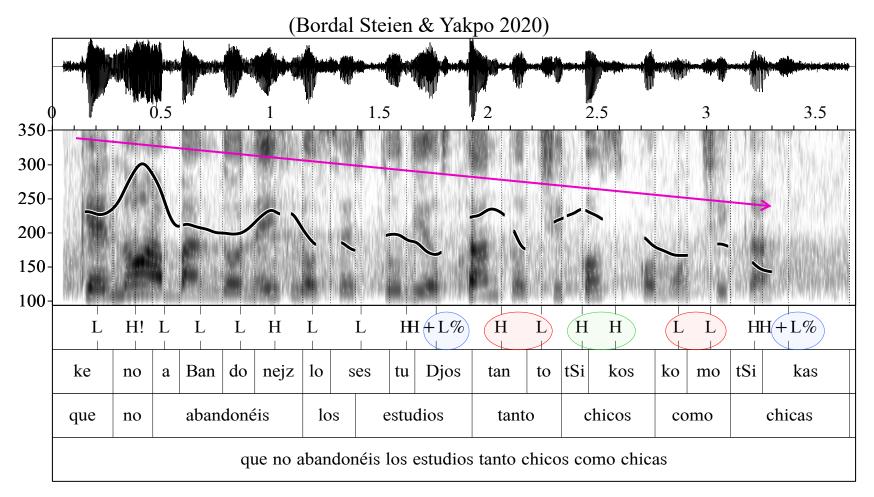


FIGURE 1. Box-and-whiskers diagram of pitch differences between syllables annotated L and H in utteranceinternal disyllabic content words with the pattern LH (sixty CAF and forty EGS words).

(Bordal Steien & Yakpo 2020; CAF = Central African French, EGS = Equatorial Guinean Spanish)

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Tone in colonial contact varieties: Equatorial Guinean Spanish) lexical H & L, boundary tones, tone spreading, downstep



Click here to download and listen to sentence!

Lexical tone in colonial contact varieties Equatorial Guinean Spanish minimal pairs

WORD	TONES	GLOSS	WORD	TONES	GLOSS
qué	Н	'what?'	que	L	'that' (SUB)
cómo	HL	'how?'	como	LL	'like'; 'how' (REL)
esta	HL	'this'	está	LH	'cop.loc.3sg.prs'
él	Н	'he' (3sg.sbj.m)	el (que)	L	'he (who)' (3sg.sbj.rel.m)
tú	Н	'you' (2sg.sbj)	tu	L	'your' (2sg.poss)

TABLE 8. Tonal minimal pairs in the EGS corpus.

Examples:

- (1) Que^L no abandonéis los estudios!
- (2) Que^{H} es esto, una radio?

(Bordal Steien & Yakpo 2020)

Other colonial varieties with (suspected) tone systems

Nigerian English (Gussenhoven & Udofot 2010, Gussenhoven 2017)

Cameroonian English (Udofot 2020)

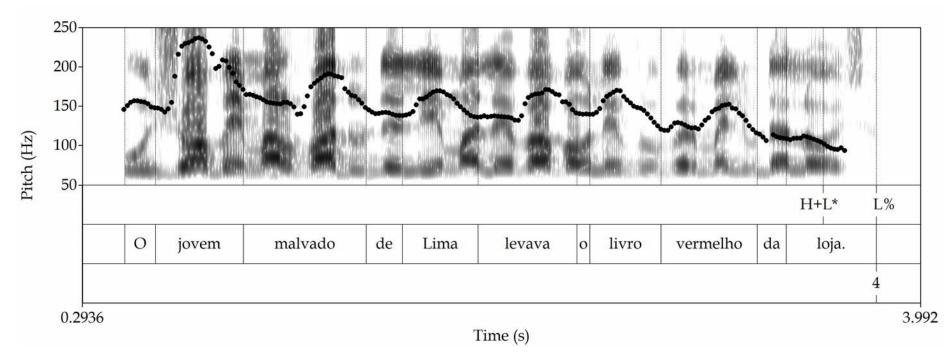
Ghanaian English (Criper 1971, Criper-Friedman 1990)

Rwandan French (Avanzi et al. 2014)

Côte d'Ivoire French (Boutin & Turscan 2009)

Angolan Portuguese? (Svartman Fernandes & Santos 2023)

Lexical tone in Angolan Portuguese?



(Fernandes, Flaviane R & Vinícius G Santos. 2023)

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Three cognitive-typological mechanisms during prosodic contact

(1) Stress-to-tone mapping: Emergence of tone system in the contact language or variety by building on perceptual analogies between the phonetic realizations of stress and tone. Stressed position in lexifier = H tone in contact variety.

(2) Paradigmatization: Tonal patterning of the lexicon following phonological, morphological, and semantic principles. Occurred by default when stress word prosodic patterns based on stress were replicated as tone classes. Also regularizes functional paradigms.

(3) Idiosyncratization: Emergence of arbitrary word-tone patterns, paradigms and constructions, incl. 'grammatical tone', through language-specific constructionalization and grammaticalization.

(Bordal Steien & Yakpo, 2020)

Mechanism (1): Stress-to-tone mapping

Stress vs. nonstress contrast in the superstrate or lexifier is interpreted as a tonal H vs. L contrast in the contact variety or language.

Pichi, Krio, Naijá	Output tone pattern
gó	Н
éntà, fò <mark>gét</mark>	H-L, L-H
Fa d'Ambô	
fà <mark>lá</mark>	L-H
mósà	H-L
	gó éntà, fògét Fa d'Ambô fàlá

Syllable with primary stress/H tone in red

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Stress-to-tone mapping: A general prosodic contact mechanism

In Ewe (Kwa) European loanwords have cumulative H on the stress-bearing syllable in the source language, other syllables are L-toned (Yakpo 2021):

(1) *àbólò* /L-H-L/ 'bread' < Port. *bolo* 'cake', incl. nominal prefix *à*(2) *dúkù* /H-L/ 'scarf' < Dutch *doek* 'scarf', incl. paragogic vowel /ù/

In Yoruba (Benue-Congo), stressed syllable bears H, pre-tonic bears M, and final L. Epenthetic vowels copy tone from adjacent ones (Kenstowicz 2006):

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(3) rikódà /M-H-L/ 'recorder'
(4) álúbộmù /H-H-L-L/ 'album', incl. epenthetic vowel /ú/
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But also metrical constraints, e.g., trisyllabic output of disyllabic Arabic loanwords in Bambara (Mande): L in L-H melody is marked and limited to 'prominent' (foot-initial) positions, hence (L)(L-H) (Green & Boutz 2013):

(5) *kìtàbú* /L-L-H/ 'book' < Arabic *kitaab* 'book', incl. paragogic vowel /ú/

Mechanism 2: Paradigmatization Tonal case paradigms in African Caribbean English Creoles

African AECs					
Person & Number	Independent pronouns Object & emphatic				
1sg	а	mi		mí	
2sg	yu			уú	
3sg	е	in	=an	ín	
1pl	wi			wí	
2pl	una, unu			una, unu	
3pl	dɛn			dén	

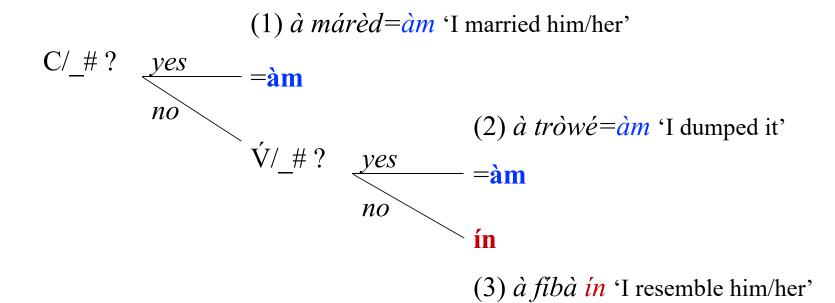
(Yakpo 2019: 128)

	× ×	
	TONIC	SUBJECT
1S	mí	mi, m
2S	í	i
3 S	hế	a
1P	ú	u
2P	ũ, únu	ũ, únu
3P	dé	de
	(1	AsWill arter & Cased 2012, 04)

Surinamese Maroon AECs (Saramaccan, Ndyuka)

(McWhorter & Good 2012: 94)

Mechanism 3: Idiosyncratization Tone-conditioned suppletive allomorphy in Pichi



 OCP_{TONE} = Tonal polarity requirement *LL; * $\dot{V}\dot{V} >> \dot{V}\dot{V}$, $\dot{V}C\dot{V}$:

- ▷ L-toned clitic = $\hat{a}m$ '3sG.OBJ' can only follow V in (1) $\hat{V}C\hat{V}$ and (2) $\hat{V}\hat{V}$.
- In illicit context (3), the phonologically independent pronoun *in* '3SG.INDP' is recruited (Yakpo 2019b).

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Idiosyncratization:

The emergence of STAMP morphemes in West African Pidgin

In subjunctive clauses introduced by the modal complementizer $m\acute{e}k$ (< 'make'), optional deletion & tone floating \rightarrow emergence of portmanteau STAMP morphemes:

- (1) $m\acute{e}k/H/+\dot{a}/L/$ '1SG.SBJ' \rightarrow $d\grave{e}n w\acute{o}n m\hat{a} g\acute{o}$ {3PL.SBJ want SBJV.1SG.SBJ go} 'they want that I go'
- (2) $m\acute{e}k/H/+\acute{e}/L/$ '3SG.SBJ' \rightarrow $d\grave{e}n w\acute{o}n m\acute{e} g\acute{o}$ {3PL.SBJ want sbjv.3SG.SBJ go} 'they want that s/he go'
- (3) $m\acute{e}k/H/ + wi/L/$ '1PL.SBJ' \rightarrow

 $d\hat{\epsilon}n \ w \acute{o}n \ m \acute{o}u \ g \acute{o} \ \{3PL.SBJ \ want \ SBJV.1PL.SBJ \ go\}$ 'they want that we go'

(4) $m\acute{e}k/H/+\acute{e}/L/$ '3sg.sbj' \rightarrow

dèn wón móùnà gó {3PL.SBJ want SBJV.2PL.SBJ go} 'they want that y'all go' (Yakpo, forthcoming)

Outcomes of prosodic contact in the Afro-Atlantic

- 1. Tone systems with some structural features of 'European' stress systems
- 2. Mixed tone-stress systems
- 3. Stress systems with 'residual tone'
- 4. Stress systems with some structural and intonational features of 'African' tone systems

Outcome (1):

Tone systems with structural features of 'European' stress

		EGS	Pichi	SES
1.	Tones	+	+	—
2.	Tonal minimal pairs	+	+	—
3.	Obligatoriness of word-level	+	+/	+
	H or stress in content words			
4.	Culminativity of word-level	+	+/—	+
	H or stress in content words			
5.	H-tone spreading	+	+	—
6.	Downstep	+	+	—
7.	Intonational pitch accents	—	—	+
8.	Boundary tones	+	+	+

(Bordal Steien & Yakpo 2020; EGS = Equatorial Guinean Spanish, SES = Standard European Spanish)

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Outcome (2): Stress systems with residual tone

Haitian:

- Word-level, not phrase-level stress: *fanmi* 'family', *kouto* 'knife' (Brousseau 2003)
- Lexical tone in reduplications, e.g., píké-píké /H-H-H-H/ 'very pricking' vs. pìkè-pìkè /L-L-L/ 'slightly pricking' (Sylvain 1936)

Sranan (Suriname):

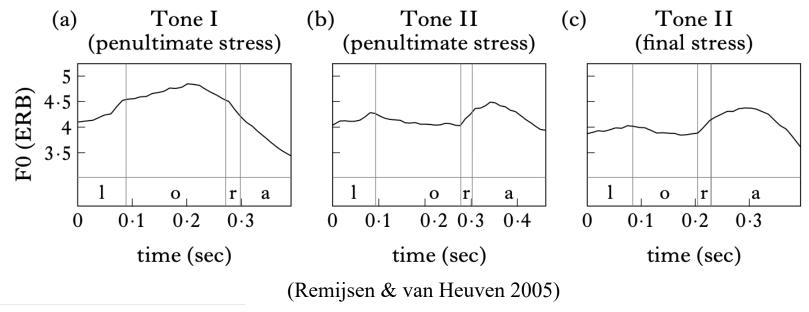
a blaka pííí /H/ a weti fánfán /H-H/
 3SG.SBJ be.black IDEO
 'It is pitch black.'
 a weti fánfán /H-H/
 3SG.SBJ be.white IDEO
 'It is snow white.' (Smith & Adamson 2006)

papa 'father' → [ppa:], wowoyo 'market' → [wwo:yo]
 (van der Hilst 1988)

Outcome (3): Mixed tone-stress systems

Papiamentu (Curaçao) (Rivera-Castillo 1998; Remijsen & van Heuven 2005)

Tone: (1) *lôra* /**HL**-Ø/ 'parrot'; (2) *lorâ* /Ø-HL/ 'to turn' (verb), (3) *lorâ* /Ø-HL/ 'turned' (participle), **Stressed** syllables are longer and louder than unstressed ones, unstressed syllables more centralized (i.e., more schwalike) than stressed ones.



Outcome (4):

Stress systems with 'African' structural and intonational features

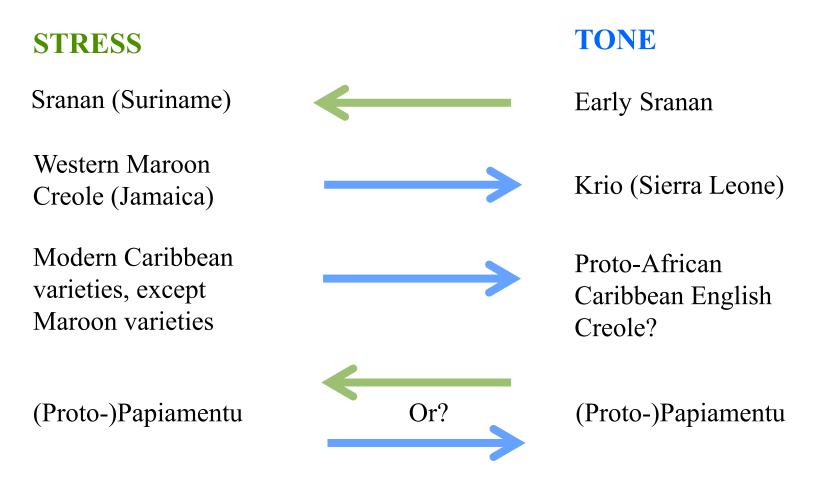
- Jamaican: Compounding involves morphological stress placement on the rightmost morpheme: d₃vki d₃vki 'very prickly' (Gooden, 2003)
- Jamaican and Tobagonian: Prosodic rhythm is syllable-, not stress-timed (Bloomquist et al., 2015; Yakpo et al., in prep)
- Bajan, Trinidadian and Guyanese Creole: Utterance-final fall in wh-questions, pronounced utterance-level downtrend, register raising (Sutcliffe, 2003)

Outcome (4):

Stress systems with 'African' structural and intonational features

- Afro-Bolivian Spanish: An obligatory and fixed LH pitch contour or H level pitch over stressed syllables (Rao and Sessarego, 2016).
- Caribbean French: Stress on individual words, like Haitian, not on accentual phrases, like European French (Pustka, 2007).
- Popular Brazilian Portuguese: More utterance-internal pitch accents than European Portuguese with a frequent alternation between and H* and L*, and "tonal events not linked to stressed syllables" (Frota and Vigário, 2000).

Areal alignment Diachronic switches in prosodic systems

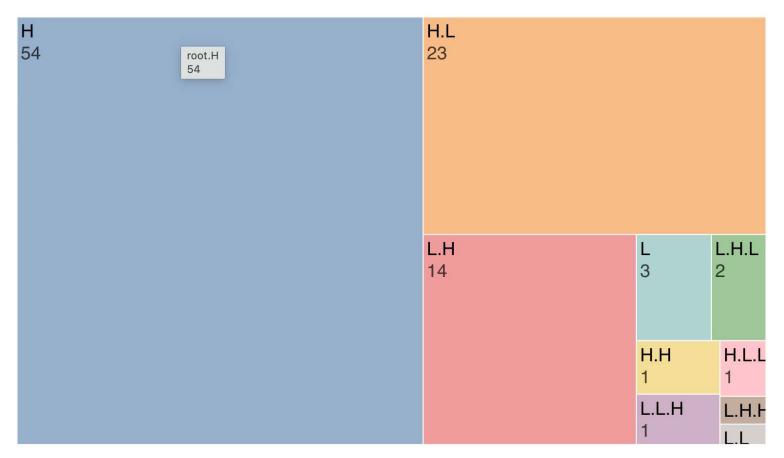


▷ Social factors: demography, social stratification (Yakpo 2020)

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Areal alignment

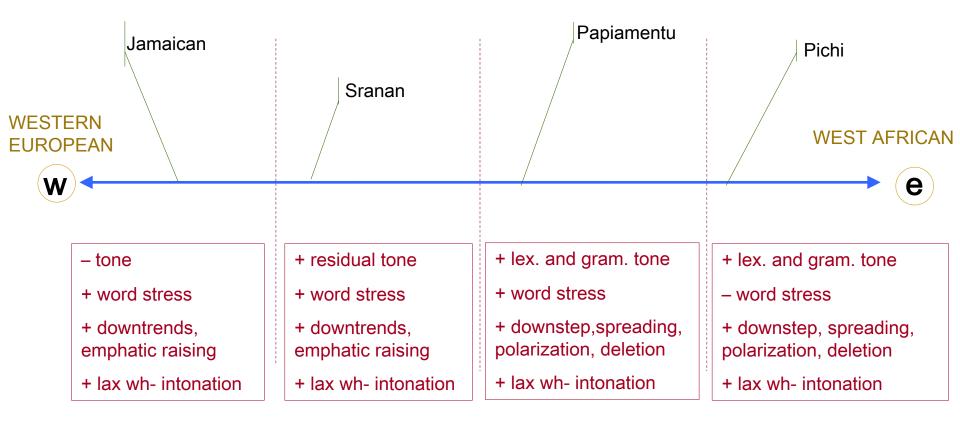
Typological 'mismatches' in the distribution of word tone patterns



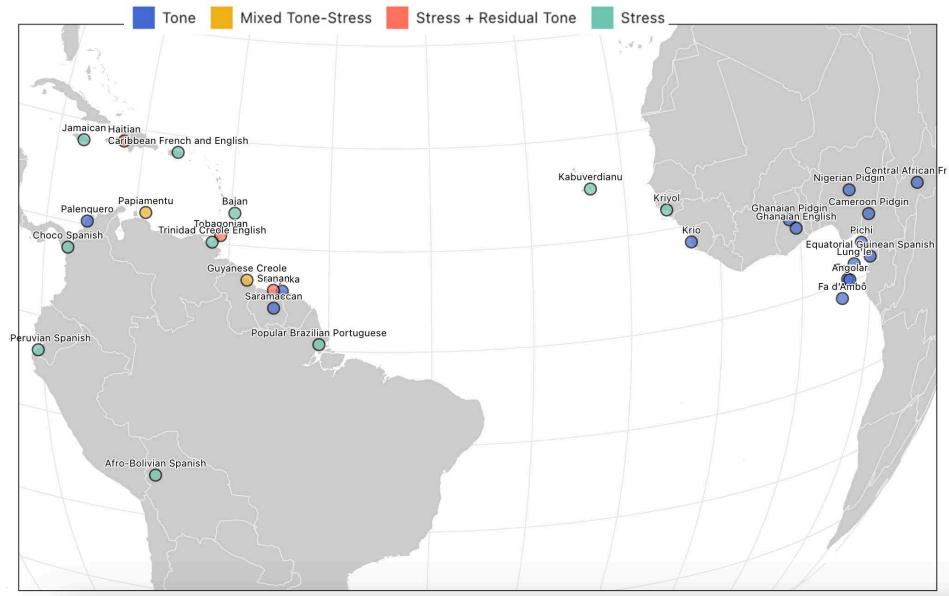
- 90% of 1000 roots in Pichi (Equatorial Guinea) have culminative and obligatory H. Similar with other West African Pidgin varieties.
- < 10% of roots have culminative and obligatory H in African adstrates (Akan, Ewe, Yoruba, etc.) spoken alongside West African Pidgin varieties.

Conclusion

Typological gradience across the Afro-Atlantic prosodic area



Areal-geographic distribution of contact outcomes across the Afro-Atlantic



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Future work

- More data needed on the nature and distribution of contact prosodic systems of the Afro-Atlantic.
- Better understanding needed of the social factors that engender specific prosodic contact outcomes.
- More cross-fertilization needed between researchers working on prosodic contact and areality in the Afro-Atlantic and elsewhere.

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References

Avanzi, Mathieu, Guri Bordal Steien & Gélase Nimbona. 2014. The obligatory contour principle in African and European varieties of French. Interspeech 1312–1316.

Barth, Emily. 2016. Tone loss in Sranan Creole: re-thinking contact driven change. Papers in Historical Phonology 1. 76-89.

- Bloomquist, Jennifer, Lisa J. Green, Sonja L. Lanehart & Erik R. Thomas. 2015. Prosodic Features of African American English. In Jennifer Bloomquist, Lisa J. Green & Sonja L. Lanehart (eds.), The Oxford Handbook of African American Language. Oxford University Press. https://doi.org/10.1093/oxfordhb/9780199795390.013.12.
- Bordal Steien, Guri & Kofi Yakpo. 2020. Romancing with tone: On the outcomes of prosodic contact. Language 96(1). 1–41. https://doi.org/10.1353/lan.2020.0000.
- Bordal, Guri. 2012. Prosodie et contact de langues: le cas du système tonal du français centrafricain. PhD thesis, University of Oslo & Université Paris Ouest Nanterre.
- Brousseau, Anne-Marie. 2003. The accentual system of Haitian Creole: The role of transfer and markedness values. In Ingo Plag (ed.), Phonology and morphology of creole languages, 123–146. Tübingen: Max Niemeyer Verlag.
- Boutin, B A & G Turscan. 2009. La prononciation du français en Afrique: la Côte d'Ivoire. In J Durand, B Laks & C Lyche (eds.), Phonologie, variation et accents du français, 131–151. Paris: Hermès.
- Criper-Friedman, Lindsay. 1990. The tone system of West African coastal English. World Englishes 9(1). 63–77.
- Criper, Lindsay. 1971. A classification of types of English in Ghana. Journal of African Languages 10(3). 6–17.
- Devonish, Hubert. 2002. Talking rhythm stressing tone: the role of prominence in Anglo-West African Creole languages. Kingston: Arawak Publications.
- Fernandes, Flaviane R & Vinícius G Santos. 2023. Fraseamento prosódico no português do Libolo. Paper presented at the 21st annual conference of the Association of Portuguese- and Spanish-Lexified Creoles (ACBLPE). Instituto Superior Politécnico do Libolo (ISPTLO), Libolo, Angola, 27 July.
- Frota, Sónia & Marina Vigário. 2000. Aspectos de prosódia comparada: ritmo e entoação no PE e no PB. In Actas do XV Encontro da Associação Portuguesa de Linguística, 533–555. Braga: APL.
- Frota, Sónia, Marisa Cruz, Flaviane Fernandes-Svartman, Gisela Collischonn, Aline Fonseca, Carolina Serra, Pedro Oliveira & Marina Vigário. 2015. Intonational variation in Portuguese: European and Brazilian varieties. In Sónia Frota & Pilar Prieto (eds.), Intonation in Romance, 235–283. Oxford: Oxford University Press.

Gooden, Shelome. 2003. The phonology and phonetics of Jamaican Creole reduplication. PhD thesis, Ohio State University.

- Green, Christopher R & Jennifer Hill Boutz. 2016. A prosodic perspective on the assignment of tonal melodies to Arabic loanwords in Bambara. Mandenkan 56. 29–76.
- Gussenhoven, Carlos & Inyang Udofot. 2010. Word melodies vs. pitch accents: A perceptual evaluation of terracing contours in British and Nigerian English. In Proceedings of Speech Prosody 2010. Chicago, USA.

References

Heine, Bernd. 1978. Some generalizations on African-based pidgin languages. Afrika und Übersee 61(3/4). 219–229. Hilst, Eddy van der. 1988. Skrifi Sranantongo bun, leysi en bun tu. Paramaribo: Author.

Hyman, Larry H. 2001. Tone systems. In Martin Haspelmath, Ekkehard König, Wulf Oesterreicher & Wolfgang Raible (eds.), Language Typology and Language Universals. An International Handbook. Vol. 2 (Handbücher Zur Sprach- Und Kommunikationswissenschaft), vol. 20.2, 1367–1380. Berlin: Walter de Gruyter.

Kenstowicz, Michael. 2006. Tone Loans: The Adaptation of English Loanwords into Yoruba. Somerville, MA, USA: Cascadilla Proceedings Project.

Kusters, Wouter. 2003. Linguistic Complexity: The Influence of Social Change on Verbal Inflection. Utrecht: LOT.

McWhorter, John H & Jeff Good. 2012. A Grammar of Saramaccan Creole. Berlin: De Gruyter Mouton.

McWhorter, John H. 1998. Identifying the creole prototype: vindicating a typological class. Language 74(4). 788-818.

Pustka, Elissa. 2007. Le français régional émergent en Guadeloupe. Bulletin PFC (Phonologie du Français Contemporain) (7). 261–271.

Rao, Rajiv & Sandro Sessarego. 2016. On the intonation of Afro-Bolivian Spanish declaratives: Implications for a theory of Afro-Hispanic creole genesis. Lingua 174. 45–64. https://doi.org/10.1016/j.lingua.2015.12.006.

- Remijsen, Bert & Vincent J Van Heuven. 2005. Stress, tone and discourse prominence in the Curaçao dialect of Papiamentu. Phonology 22(2). 205–235.
- Remijsen, Bert. 2002. Lexically contrastive stress accent and lexical tone in Ma'ya. Laboratory phonology 7. 585-614.
- Rivera-Castillo, Yolanda. 1998. Tone and stress in Papiamentu: the contribution of a constraint-based analysis to the problem of creole genesis. Journal of Pidgin and Creole Languages 13(2). 297–334.
- Salmons, Joe. 1992. Accentual change and language contact: Comparative survey and a case study of early Northern Europe. Stanford: Stanford University Press.
- Sebba, Mark. 1997. Contact languages: pidgins and creoles (Modern Linguistics Series). Houndmills: MacMillan Press.
- Sessarego, Sandro. 2020. Not all grammatical features are robustly transmitted during the emergence of creoles. Humanities and Social Sciences Communications. Palgrave 7(1). 1–8. https://doi.org/10.1057/s41599-020-00611-x.
- Sutcliffe, David. 2003. Eastern Caribbean suprasegmental systems: A comparative view, with particular reference to Barbadian, Trinidadian, and Guyanese. In Michael Aceto & Jeffrey P. Williams (eds.), Contact Englishes of the Eastern Caribbean, 265–296. Amsterdam: John Benjamins.

Sylvain, Suzanne. 1936. Le créole haitien: morphologie et syntaxe. Wetteren, Belgium: Imprimerie de Meester.

Trudgill, Peter. 2010. Contact and Sociolinguistic Typology. In Raymond Hickey (ed.), Handbook of Language Contact, 299–319. Malden, MA: Wiley-Blackwell.

References

- Udofot, Inyang. Tone in Nigerian and Cameroonian accents of English. In Rotimi Oladipupo, Julianah Akindele & Ayo Asisanwo (eds.), Phonetics, phonology, and sociolinguistics in the Nigerian context: A festschrift for Adenike Akinjobi, 67–78. Ibadan: Stirling-Horden Publishers.
- Van Coetsem, Frans. 2000. A general and unified theory of the transmission process in language contact. Heidelberg: Universitätsverlag Winter.
- Yakpo, Kofi, Pak Man Au & Charleston Thomas. In prep. Tobagonian Creole has stress, no tone, ms.
- Yakpo, Kofi. 2013. Pichi. In Susanne Michaelis, Philippe Maurer, Martin Haspelmath & Magnus Huber (eds.), *The survey of Pidgin and Creole language structures: English-based and Dutch-based languages*, vol. 1, 194–205. Oxford: Oxford University Press. <u>https://apics-online.info/surveys/19</u>.
- Yakpo, Kofi. 2019a. A grammar of Pichi (Studies in Diversity Linguistics 23). Berlin: Language Science Press. https://doi.org/10.5281/zenodo.2546450
- Yakpo, Kofi. 2019b. Inheritance, contact, convergence: Pronominal allomorphy in the African English-lexifier Creoles. English World-Wide 40(2). 201–225. <u>https://zenodo.org/record/3711661</u>
- Yakpo, Kofi. 2021. Creole prosodic systems are areal, not simple. Frontiers in Psychology 12. 690593. https://doi.org/10.3389/fpsyg.2021.690593
- Yakpo, Kofi. 2020. Social factors. In Evangelia Adamou & Yaron Matras (eds.), *The Routledge Handbook of Language Contact* (Routledge Handbooks in Linguistics 24), 129–146. London: Routledge. <u>https://zenodo.org/record/3957426</u>
- Yakpo, Kofi. Forthcoming. African Caribbean English Creole. In Walter Bisang, Johannes Kabatek & Bernd Kortmann (eds.), Spread of World Languages (World of Linguistics). Berlin: De Gruyter Mouton.