

PS# 8 ATR Harmony in Yoruba and Related Languages

Below are data from three dialects of Yoruba and a closely related sister language Epira. Develop an OT analysis of these data using the Agree framework of Bakovic. Are there any problems encountered? What about an analysis utilizing spans from McCarthy?

1. Epira phonemes	[+ATR]	i	u	[-ATR]	ɪ	ʊ
	e	o		ɛ	ɔ	a

- {e,o} and {ɛ,ɔ} do not co-occur in a word

oze	road	ɔhɛ	house pillar
obo	rope	ɔpɔ	mask
ece	wine	ɛdɔ	antelope
ose	wife	ɛhɛ	world
- possible mid and high vowel combinations

isu	rat	iku	sickness
uye	meat	ɔnɔ	cow
ukere	door	ɔkɔrɔ	work
okuku	imaginary being	ɛcuku	bone
- low vowels

ayi	measles	ira	fire
ako	cup	ɔba	vulture
anɔ	salt	ɛpa	root
aje	egg	ɔpa	arrow

ungrammatical: eCa, oCa, uCa, iCa

2. Yoruba phonemes	[+ATR]	i	u	[-ATR]	ɛ	ɔ
	e	o				a

<u>Standard</u>	<u>Ife</u>	<u>Ekiti</u>	
idɛ	idɛ	udɛ	brass
iyɔ	iyɔ	uyɔ	salt
igba	igba	ugba	calabash
igbo	igbo	ugbo	bush
ile	ile	ule	house

isu	isu	usu	yam
etu	etu	etu	antelope
ebi	ebi	ebi	guilt
ewiri	ewiri	ewiri	bellows
eburu	eburu	eburu	shortcut
egusi	egusi	egusi	melon
eti	eti	eti	ear
eku	eku	eku	rat
erigi	erigi	erigi	molar
ogiri	ogiri	ogiri	wall
ebute	ebute	ebute	harbor
ewuro	euro	euro	bitter-leaf
oruko	oruko	oruko	name
odide	odide	odide	parrot
ewure	ewure	ewure	goat
elubo	elubo	elubo	yam flour
osupa	osupa	osupa	moon
ewura	ewura	ewura	water-yam

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