

Hausa (note ´ = High tone and ` = low tone.)

Your mission is to provide a small grammar for Hausa (for the deverbal adjectives, at least), using a kind of autosegmental representation with a skeletal/CV tier separate from a tonal tier separate from the features of the consonants and vowels (which you can treat as features all together on another tier). Give me:

- a list of verb roots in their underlying form (note that most verbs are given with a suffix vowel. These suffix vowels are not part of the verb root). If your proposed underlying form differs from any of the surface forms, provide an explanation/justification.
- the underlying form of the masculine, feminine, and plural adjective suffixes
- a set of rules to explain the changes from the underlying forms to the surface. Write these rules formally and in prose. For this exercise, I am most interested in the use of the skeletal and tonal tiers, so you do not need to use separate tiers for each separate feature of the consonants and vowels. Note that [j] is frequently employed in Hausa to break up vowel clusters; you should write a rule (or two) for this.
- example derivations (here give me the underlying form of verb root + an adj.suffix, then show the rules applying, and the correct surface forms). Give me no fewer than 3, and no more than 6, examples.

Then discuss two ways in which the use of the CV and tone tiers, separate from consonant and vowel quality features, provides for a more insightful account of Hausa deverbal adjective formation than the use of a bundle of features for each segment (up to 1 page for this part).

<u>verb</u>	<u>masc. adj.</u>	<u>fem. adj.</u>	<u>pl.adj.</u>	
dáf-à	dàfáfféé	dàfáffíjǎ	dàfáffúú	'cooked'
kón-è	kònánnéé	kònánníjǎ	kònànnúú	'burnt'
bùg-ú	bùgággéé	bùgággíjǎ	bùgàggúú	'drunk'
sán-ì	sànánnéé	sànánníjǎ	sànànnúú	'known'
tùhùm-á	tùhùmámméé	tùhùmámmíjǎ	tùhùmàmmúú	'suspected'
jàhàr-à	jàhàrǎrréé	jàhàrǎrríjǎ	jàhàrǎrrúú	'well-known'
bát-à	bàtǎtǎǎéé	bàtǎtǎǎíjǎ	bàtǎttúú	'lost'
bùf-è	bùsǎǎǎéé	bùsǎǎǎíjǎ	bùsǎssúú	'dried'
mǎtǎ-è	màtǎtǎǎéé	màtǎtǎǎíjǎ	màtǎttúú	'died'
hùd-à	hùdǎdǎdǎéé	hùdǎdǎdǎíjǎ	hùdǎddúú	'pierced'
tǎfàs-á	tǎfàsǎǎǎéé	tǎfàsǎǎǎíjǎ	tǎfàsǎssúú	'boiled'
só	sòjǎǎǎéé	sòjǎǎǎíjǎ	sòjǎǎǎúú	'loved'
sà	sàjǎǎǎéé	sàjǎǎǎíjǎ	sàjǎǎǎúú	'worn'
tǎí	tǎíjǎǎǎéé	tǎíjǎǎǎíjǎ	tǎíjǎǎǎúú	'eaten'
bà	bàjǎǎǎéé	bàjǎǎǎíjǎ	bàjǎǎǎúú	'given'