

Constraints and Features for Surface Phonotactic Model

All constraints were induced using the Hayes and Wilson 2008 learner, which can be downloaded [here](#). Feel free to email blprickett@outlook.com with specific questions about the features and constraints here.

Table 1. Features given to the Hayes and Wilson (2008) model for constraint induction.

	[syllabic]	[coronal]	[anterior]	[dorsal]	[high]	[back]	[tense]
[s]	—	+	+	0	0	0	0
[ʃ]	—	+	—	0	0	0	0
[k]	—	0	0	+	0	0	0
[i]	+	0	0	0	+	—	+
[ɪ]	+	0	0	0	+	—	—
[e]	+	0	0	0	—	—	+
[ɛ]	+	0	0	0	—	—	—
[a]	+	0	0	0	—	+	—

Table 2. Constraints induced by the Hayes and Wilson (2008) model when exposed to the Bleeding language.

Bleeding	
*[+syllabic][+syllabic]	*[−word_bound][+syllabic][−word_bound]
*[+word_bound][−syllabic]	*[−tense][−word_bound][−tense]
*[−syllabic][+word_bound]	*[+tense][−word_bound][+tense]
*[−word_bound][+back]	*[−back, −tense][−word_bound][−tense]
*[+high][+anterior]	*[−high][+dorsal]
*[−high, −back][−anterior]	*[−high][−anterior]
*[−high, −back][−word_bound][+high]	*[+back][+dorsal]
*[−anterior][−high]	*[+tense][−anterior]
*[+anterior][+high]	*[−high][+dorsal][+high]
*[+high][−word_bound][−high]	*[+high][−word_bound]
*[+tense][−word_bound][+high, +tense]	*[+back][+dorsal][−high, +tense]
*[+tense][+dorsal][+tense]	*[+word_bound][+high]
*[−back, −tense][−word_bound][+high, −tense]	*[−back, −tense][−word_bound]
*[−back, −tense][+dorsal][−tense]	*[+tense][+anterior]
*[−syllabic][−syllabic]	*[−high, −tense]
*[+back][+word_bound]	*[−tense][+dorsal][−tense]
*[+tense][+dorsal]	*[−high][−word_bound][+high]
*[+high][+coronal]	*[+high, +tense][−word_bound]
*[−tense][+dorsal]	*[+high, −tense][−word_bound]
*[−anterior]	*[−tense][+anterior]
*[−high, −back][+dorsal]	*[+dorsal][−high]
*[+word_bound][+high, −tense]	*[+back][+coronal]
*[+back]	*[+high][+dorsal]
*[+word_bound][+high, +tense]	*[+dorsal][−high, −tense]
*[+back][+anterior]	*[−high][+dorsal][+high, +tense]
*[+dorsal]	*[−high][+dorsal][+high, −tense]

Table 3. Constraints induced by the Hayes and Wilson (2008) model when exposed to the Feeding language.

Feeding	
*[+syllabic][+syllabic]	*[+tense][−word_bound][+tense]
*[+word_bound][−syllabic]	*[−high,+tense][+dorsal]
*[−syllabic][+word_bound]	*[+back][+anterior]
*[−word_bound][+back]	*[+high,−tense]
*[+high][+anterior]	*[−high][−word_bound][+high]
*[−high,−back][−anterior]	*[−back,−tense][+anterior]
*[−high,−back][−word_bound][+high]	*[−word_bound][−high,−tense]
*[−anterior][−high]	*[+high,−tense][+coronal]
*[+anterior][+high]	*[+high]
*[−back,−tense][−word_bound][−high,−tense]	*[+coronal]
*[+high][−word_bound][−high]	*[+high][−word_bound]
*[+tense][−word_bound][−high,+tense]	*[−anterior]
*[+tense][+dorsal][+tense]	*[+word_bound][+high]
*[−back,−tense][+dorsal][−tense]	*[−word_bound][+high]
*[−syllabic][−syllabic]	*[−word_bound][+high,−tense]
*[+back][+word_bound]	*[−word_bound][+high,+tense]
*[−word_bound][−high,+tense]	*[−tense][+dorsal]
*[+coronal][−high,−tense]	*[−back][−word_bound]
*[+dorsal]	*[+word_bound][+high,+tense]
*[−high][−anterior]	*[+high,+tense][−word_bound]
*[+high][+dorsal]	*[+back][+coronal]
*[−high,−back][+coronal]	*[−tense][−word_bound]
*[+tense][+dorsal]	*[−back,−tense][+dorsal]
*[+anterior][−tense]	*[−tense][+coronal][+high]
*[−tense][−anterior]	*[−back,−tense][−word_bound][−tense]
*[+anterior]	*[−word_bound][+tense]
*[−word_bound][+syllabic][−word_bound]	*[−high][+coronal][+high]
*[−tense][−word_bound][−tense]	*[−tense][−anterior][+tense]
*[+tense][+coronal]	*[−high][+dorsal][+high,+tense]
*[+word_bound][−back,−tense]	*[+tense][−word_bound]
*[+word_bound][+high,−tense]	*[+back]
*[+high,+tense]	*[−high,−back]
*[−back,−tense][−word_bound]	*[−high,−back,−tense][−word_bound]
*[−back,−tense][+coronal]	*[+high,+tense][+dorsal]
*[+word_bound][−high,+tense]	*[+high,−tense][+dorsal]
*[−back,−tense][−anterior]	*[−high][+dorsal][+high,−tense]
*[+high,−tense][−word_bound]	*[+back][−word_bound][−high,+tense]
*[−word_bound][−high]	*[+coronal][+high,−tense]
*[+anterior][+tense]	*[−back,−tense][−word_bound][+high]
*[+high][+coronal]	

Table 4. Constraints induced by the Hayes and Wilson (2008) model when exposed to the Counterbleeding language.

Counterbleeding
*[+syllabic][+syllabic]
*[+word_bound][−syllabic]
*[−syllabic][+word_bound]
*[−word_bound][+back]
*[+high][+anterior]
*[−high, −back][−word_bound][+high]
*[+high][−word_bound][−high]
*[+anterior][+high]
*[+tense][−word_bound][+high, +tense]
*[+tense][+dorsal][+tense]
*[+tense][+anterior][+tense]
*[−back, −tense][−word_bound][+high, −tense]
*[−back, −tense][+dorsal][−tense]
*[−back, −tense][+anterior][−tense]
*[+back][−anterior][−high]
*[−syllabic][−syllabic]
*[+back][+word_bound]
*[−word_bound][−word_bound][−syllabic]

Table 5. Constraints induced by the Hayes and Wilson (2008) model when exposed to the Counterfeeding language.

Counterfeeding
*[+syllabic][+syllabic]
*[+word_bound][−syllabic]
*[−syllabic][+word_bound]
*[−word_bound][+back]
*[−anterior][−high]
*[−high, −back][−word_bound][+high]
*[+high][−word_bound][−high]
*[−back, −tense][−word_bound][−high, −tense]
*[−high][+anterior][+high]
*[+tense][−word_bound][−high, +tense]
*[+tense][+dorsal][+tense]
*[+tense][−anterior][+tense]
*[−back, −tense][+dorsal][−tense]
*[−back, −tense][−anterior][−tense]
*[−syllabic][−syllabic]
*[+back][+word_bound]
*[−high, −back][−anterior]