

Consequence of sounds

The consonants and vowels

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1: vowel

a e o i u

2: vowel as consonant (semivowel, glide)

j w

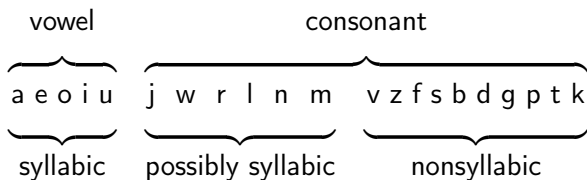
3: consonant as vowel (syllabic consonant)

r | ŋ | m | s̩? | t̩??

4: consonant

l n m v z f s b d g p t k

- ▶ $i : j = \eta : n ?$
- ▶ \Rightarrow three categories: V, transition (sonorant C), C?
- ▶ \Rightarrow syllabic consonants are vowels(?)



	vocalic	consonantal
syllabic	a e o i u	$\underset{ }{r} \underset{ }{l} \underset{ }{\eta} \underset{ }{\mathfrak{m}}$
nonsyllabic	j w	r l n m v z s f b d g p t k

	V	r	l	m n	O
French, BE stressed	→]	*	*	*	*
GA stressed, Serbo-Croat	→	→]	*	*	*
Slovak	→	→	→]	*	*
English unstressed	→	→	→	→]	*

$C_i + \text{“}\underset{\cdot}{C}_i\text{”}$ and $\text{“}\underset{\cdot}{C}_i\text{”} + C_i$ is okay

yeast [j[·]i[·]ɪst], *beyond* [bɪj[·]ɔ[·]nd], *woo* [w[·]u[·]], *Kuwait* [kʊ[·]u[·]wéjt],
terrorist [té[·]r[·]rɪst] (= [te[·]r[·]ɔ[·]ɪst]?)

no $C_i + \underset{\cdot}{C}_i$

canon *[ká[·]n[·]ɪ], *minimum* *[mín[·]ɪ[·]m[·]m[·]], *parallel* *[pá[·]rə[·]l[·]l]

$\underset{\cdot}{C}_i \# C_i$ is okay (no $\# \underset{\cdot}{C}$ for independent(?) reasons)

maple-leaf [méi[·]p[·]l[·]lɪif], *suddenness* [séd[·]ɪ[·]n[·]əs]

so

[l̥ ɲ ɱ] behave like consonants: they are syllabic consonants; but
[ɾ] belongs with [i] and [u] as vowels, not with syllabic consonants

[ŋ ɳ] after obstruents and [r]

prism [prízŋ], *prison* [prízɳ], *quorum* [kwó:rŋ],
barren/baron [bárɳ]

[l̩] after any C but [l]

mortal [mó:t̩], *morsel* [mó:s̩], *normal* [nó:m̩], *colonel* [ké:n̩],
moral [mór̩], *loyal* [lóij̩], *narwhal* [ná:w̩]

[r̩] after any C but only before V or Ç

battery [bát̩ri], *periphery* [pərif̩ri], *camera* [kámr̩ə],
general [dʒén̩r̩], *burglary* [bé:g̩l̩ri], *literary* [lítər̩ri]/[lít̩r̩ri]/[lít̩ri]

again

only [r̩] doesn't "see" the preceding C

sonority hierarchy? (obstruents \ll nasals \ll l)

C_1C_2 only if $C_1 \ll C_2$

syllabic consonants in $C_ \{C, \#\}$ position

	P__	F__	M__
m	0	12	0
n	444	3037*	0
l	2487	545	212

* only 680 without *-tion/-sion* words

- ▶ P = plosive
- ▶ F = fricative
- ▶ M = sonorant consonant

source: <http://seas3.elte.hu/epd/>

but [r̩], [r̩̩], [r̩̩̩], [j̩], [w̩]?

⇒ [j], [w], [r] are “more consonantal” than [l], [m], [n]

⇒ [i] ≠ [j], [ɹ] ≠ [r]

sonority hierarchy

obstruents ≪ [j], [w], [r] ≪ nasals ≪ [l] ≪ vowels
(contra sonority sequencing within syllables)

conclusion 1

1: vowels [a e o i u ɹ=ø]

2: syllabic consonants [l̩ ɹ̩ ɱ̩]

3: glides [j w r]

4: consonants [l n m f s v z b d g p t k]

[r] in SBE

rack [rák], *carry* [kárii], but *car* [ká:ʔ], *card* [ká:ʔd]
just like [j w h] ([h] is even more picky)

[ɹ] in SBE

cigarette [sɪɹét], *camera* [kámɹə], but *terror* [tér*ɹ],
comfort [kémf*ɹt]
unlike [i u] (and [ɜ:]?)

paradox

the status of [ɹ] remains uncertain

