

LIGN110 Section

Wednesday, 4 November 2020

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Section time: W. 3-3:50pm PST

OH time: F. 9-10am PST

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Housekeeping

Questions?

- How did HW1 go?
- How are things going with your speakers?
- What's the most difficult thing about class so far?
- What's the easiest thing about class so far?

Reminders:

- Wordlist draft due Friday (Nov. 6)
- Mid-quarter evaluation survey

Exercise

Which of the following pairs do not have the same place of articulation?

- a. [l] vs. [ɭ]
- b. [ɸ] vs. [β]
- c. [ŋ] vs. [j]
- d. [ç] vs. [q]

Exercise

Which of the following pairs do not have the same place of articulation?

- a. [ʃ] vs. [ʒ] retroflex
- b. [ɸ] vs. [β] bilabial
- c. [ɲ] vs. [j] palatal
- d. **[c]** vs. **[q]** palatal vs. uvular

Exercise

Which of the following pairs do not have the same manner of articulation?

- a. [B] vs. [L]
- b. [ϕ] vs. [β]
- c. [ʊ] vs. [ɯ]
- d. [ɸ] vs. [ɣ]

Exercise

Which of the following pairs do not have the same manner of articulation?

- a. [ʙ] vs. [ɮ] trill vs. lateral approximant
- b. [ɸ] vs. [β] fricative
- c. [ʋ] vs. [ɹ] approximant
- d. [ɸ] vs. [ɣ] fricative

Exercise

Which of the following pairs do not have the same voicing?

- a. [d̥] vs. [ɟ]
- b. [x] vs. [β]
- c. [ø] vs. [ç]
- d. [ʒ] vs. [ɦ]

Exercise

Which of the following pairs do not have the same voicing?

- a. [d͡ʒ] vs. [ʕ] voiced postalveolar affricate vs. pharyngeal fricative
- b. **[x] vs. [β]** voiceless velar fricative vs. voiced bilabial fricative
- c. [ç] vs. [ç] voiceless alveolo-palatal fricative vs. palatal fricative
- d. [ɮ] vs. [ɦ] voiced lateral fricative vs. glottal fricative

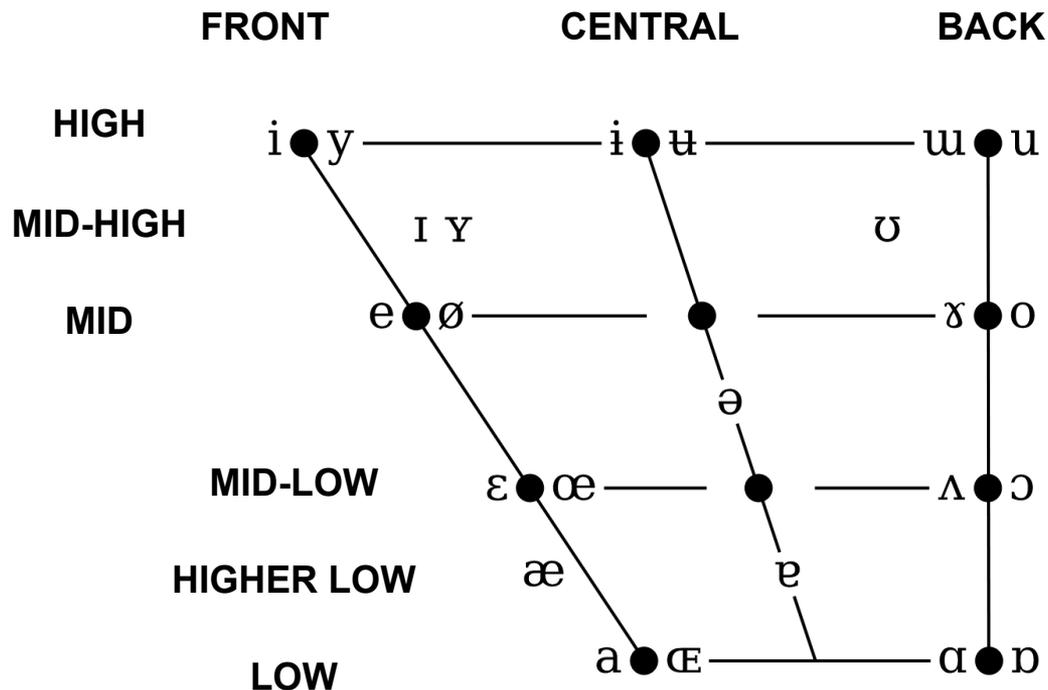
Vowels vs. Glides

- Very similar
- Differ slightly in the degree of constriction
- Example: *yeast* [ji:st] vs *east* [i:st]

Extra short, non-syllabic vowels = glides

- [ə̯ ɛ̯ ʌ̯]
- [ɪ̯ ʏ̯ ʊ̯ ʍ̯] = [j ɥ w ɰ]

Vowel Chart



Notes:

- For pairs of vowels at the same location, left is unrounded and right is rounded.
- all vowels are produced between the velar and palatal regions

Naming Vowels: Round 1

(diacritic) **height** + **frontness** + **rounding** vowel

1. [i]
2. [ɪ]
3. [o]
4. [æ]
5. [ɑ]
6. [ɔ:]
7. [ə]

Naming Vowels: Round 1

(diacritic) **height** + **frontness** + **rounding** vowel

1. [i] high front unrounded vowel
2. [ɯ] non-syllabic high back rounded vowel
3. [o] mid back rounded vowel
4. [æ̃] nasalized higher-low front unrounded vowel
5. [ɔ̤] creaky low back unrounded vowel
6. [ø:] long mid front rounded vowel
7. [ə̣] rhotacized mid central unrounded vowel

Naming Vowels: Round 2

(diacritic) **height** + **frontness** + **rounding** vowel

1. [ɥ]
2. [ɔ̞]
3. [ɯ]
4. [ɛ]
5. [ɣ̃]
6. [ɤ]
7. [ɛ̞̞]

Naming Vowels: Round 2

(diacritic) **height** + **frontness** + **rounding** vowel

1. [ɤ] high **central** **rounded** vowel
2. [ɔ̥] breathy **mid-low** **back** **rounded** vowel
3. [ɯ] high **back** **rounded** vowel
4. [ɛ] **mid-low** **front** **unrounded** vowel
5. [ɤ̃] nasalized **mid** **back** **unrounded** vowel
6. [ɤ] **mid-high** **front** **rounded** vowel
7. [ɛ̠ɛ̠] advanced/retract tongue root (ATR/RTR) **mid** **front** **unrounded** vowel

Transcription Practice

Sound 1:

- Is the initial consonant voiced or voiceless?
- What is the initial consonant's place of articulation?
- What is its manner of articulation?

Sound 2:

- Is the initial consonant voiced or voiceless?
- What is the initial consonant's place of articulation?
- What is its manner of articulation?

Sound 3:

- Is the initial consonant voiced or voiceless?
- What is the initial consonant's place of articulation?
- What is its manner of articulation?

Transcription Practice

Sound 1: [tʰaka]

- Is the initial consonant voiced or voiceless?
- What is the initial consonant's place of articulation?
- What is its manner of articulation?

Sound 2: [dai]

- Is the initial consonant voiced or voiceless?
- What is the initial consonant's place of articulation?
- What is its manner of articulation?

Sound 3: [tʰo]

- Is the initial consonant voiced or voiceless?
- What is the initial consonant's place of articulation?
- What is its manner of articulation?

Secondary Articulations

- Nasalization
 - Velum lowering air escaping through nose
- Rhotacization
 - r-like quality (tongue tip curling/ tongue body hollowing)
- Expanded (advanced/retracted tongue root)
 - Tongue root moving forward/backward
- Length
- Labialization
- Palatalization
- Velarization
- Pharyngealization

*Approximation of active
articulators to the place of
articulation*

Production Practice

Nasalization

Compare: /ba bã/ /ɛ lẽ/ /do dõ/ /ka kã/ /ɣi ɣĩ/ /lo lõ/

asã	õfo	uzũ	εθẽ	bεlõ	θẽvɔ
ɟitõ	gõzã	sĩða	dũʒa	pεθã	fufẽ

Labialization

t ^w a	d ^w a	s ^w a	z ^w a	n ^w a	l ^w a
k ^w εgi	l ^w aŋu	kod ^w ε	ŋ ^w aɹi	xεθ ^w a	x ^w anɔ

Production Practice

Palatalization

b^jo ɸ^ja β^jε p^ji t^ja k^ja d^je
g^jε x^je t^jy t^jɔ la^jʎ n^jøk^je

Compare: /s^ja sja/ /s^wi swi/ /f^je fje/ /θ^wε θwε/

Labial-palatalization

t^ɥa d^ɥε l^ɥɔ k^ɥo t^ɥεɣɔ dan^ɥu k^ɥaɔ s^ɥinu