Wordlist

AAC Speech: Auditory Stimuli

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General Instructions

About the recording logistics:

1. If you record everything in one sitting (preferred if possible), you can make one long recording into Audacity so that you only export one file.
   - If needed, you can click "stop" and save the recording as an Audacity file in between, then click "record" to continue from the same spot.
2. Alternatively, you can choose to make multiple shorter recordings (Make sure to use the same device and set-up if recording in different sessions). If so, stop and export recordings in between wordlist variants.
   - For example, you might record the first half (variants 1-4) in one sitting, then export the file. Then, in a second recording, you would read the second half (variants 5-8) and export a second file.
3. Feel free to pause the recording anytime if you want to take a break (e.g. drinking water). Remember to click on "pause" again to restart recording!

When reading the wordlist:
1. Try to sound natural rather than overly clear. Avoid hyper-articulating.
2. Read at a normal to slow pace—paying specific attention to the first syllable. Avoid speeding up.
   ○ Pause briefly in between each word.
3. Read the words with the same intonation (e.g., falling pitch contour). Avoid list intonation (e.g. rising, rising, then falling contour) or other list effects (e.g., creak on the last word).
   ○ Overall, try to say the words as similarly as you can (e.g., pitch, duration, voice quality) within a word pair/set (I.e. rows in the tables below).

Wordlist

Table Format
1. There are eight total target variant wordlists (in table format).
   ○ The target sound(s) will always be in **the vowel in the first syllable** or the **first medial consonant(s)**. These are underlined in the tables.
2. Each row represents a word **pair** presented in orthography (n=10) .
   ○ The first row of each table includes IPA (rough transcription) as an example/guide of the specified pronunciation variants per column.
3. Each of the **three** columns represents different word/variant pronunciations. The target variant pronunciation for each column will be specified in the header.
   ○ **Columns 1 and 3** will always be the **same word**, but with a different target variant pronunciation.
   ○ **Column 2** will be a **different word**. The target pronunciation differs across tables. Refer to the highlighted note per table for the relevant pattern.

Reading Task
1. Read the three words in each row out loud from left right, with a short pause in between.
   ○ E.g. (1) "[lɛmən]. [lɪmɪts]. [lɪmən].
2. Repeat the row two more times for a total of three repetitions per row (i.e., total of 9 tokens per row).
   ○ E.g. (2) "[lɛmən]. [lɪmɪts]. [lɪmən]." (3) "[lɛmən]. [lɪmɪts]. [lɪmən]."
3. Continue until all ten rows are read.
4. (Move on to the next table.)

1. PIN-PEN merger — /ɛ/ → [ɪ]

- **The target variant is /ɛ/ is pronounced as [ɪ] preceding nasals, as in "pen" pronounced like "pin".**
- For this table, target variant pronunciations are the same for Columns 2 and 3.

Row	<u>Mid</u> front lax [e]	<u>High</u> front lax [ɪ]	<u>High</u> front lax [ɪ]
1	d<u>e</u>ntal **[dɛntəl]**	d<u>i</u>nners **[dɪnnɚs]**	d<u>e</u>ntal **[dɪntəl]**
2	fri<u>e</u>ndless	fr<u>i</u>nges	fri<u>e</u>ndless
3	g<u>e</u>mstone	g<u>y</u>mnasts	g<u>e</u>mstone
4	l<u>e</u>mon	l<u>i</u>mits	l<u>e</u>mon
5	sp<u>e</u>nders	sp<u>i</u>ndly	sp<u>e</u>nders
6	t<u>e</u>ndons	t<u>i</u>nted	t<u>e</u>ndons
7	v<u>e</u>nture	v<u>i</u>ntage	v<u>e</u>nture
8	g<u>e</u>nerates	g<u>i</u>ngerbread	g<u>e</u>nerates
9	s<u>e</u>ntiments	s<u>y</u>ndicate	s<u>e</u>ntiments
10	v<u>e</u>ntilates	v<u>i</u>ndicates	v<u>e</u>ntilates

2. FEEL-FILL merger — /i/ → [ɪ]

- **The target variant is tense /i/ pronounced as lax [ɪ] in pre-lateral position, as in "feel" pronounced like "fill".**
- For this table, target variant pronunciations are the same for Columns 2 and 3.

Row	High front <u>tense</u> [i]	High front <u>lax</u> [ɪ]	High front <u>lax</u> [ɪ]
1	fi<u>e</u>ldwork **[fildwɚk]**	fi<u>l</u>tered **[fɪltɚd]**	fi<u>e</u>ldwork **[fɪldwɚk]**
2	c<u>ei</u>ling	s<u>i</u>lly	c<u>ei</u>ling
3	h<u>ea</u>lers	h<u>i</u>lltop	h<u>ea</u>lers

4	m**eal**time	mi**ll**dew	m**eal**time
5	p**ee**ling	pi**ll**ars	p**ee**ling
6	wh**ee**lchair	wi**ll**ow	wh**ee**lchair
7	w**ie**lding	wi**ll**ted	w**ie**lding
8	st**ee**lworks	sti**ll**births	st**ee**lworks
9	d**ea**lership	di**l**igence	d**ea**lership
10	wh**ee**lbarrow	wi**ll**fully	wh**ee**lbarrow

3. Medial TH-stopping — [ð] → [ɾ]

- **The target variant is the voiced interdental fricative /ð/ in intervocalic position pronounced as a flap, as in "heather" pronounced like "header".**
- <mark>For this table, target variant pronunciations are the same for Columns 2 and 3.</mark>

Row	Fricative [ð]	Flap [ɾ]	Flap [ɾ]
1	fea**th**erweight **[fɛðɚweɪt]**	fe**d**erals **[fɛɾɚəls]**	fea**th**erweight **[fɛɾɚweɪt]**
2	lea**th**ery	le**tt**ering	lea**th**ery
3	mo**th**ership	mu**tt**erings	mo**th**ership
4	wor**th**iest	wor**d**iness	wor**th**iest
5	o**th**erness	u**tt**ering	o**th**erness
6	hea**th**ers	hea**d**er	hea**th**ers
7	la**th**ers	la**dd**ered	la**th**ers
8	o**th**ered	u**dd**er	o**th**ered
9	fa**th**ered	fo**dd**er	fa**th**ered
10	wea**th**ered	we**tt**er	wea**th**ered

4. /oʊ/-backing

- **The target variant is /oʊ/ pronounced with relatively fronted vs. backed tongue position (where the backed /oʊ/ realization is more common in pre-lateral position), as in "coding" pronounced with the [oʊ] in "coldest".**
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Row	fronted [oʊ] (~[əʊ])	backed [oʊ]	backed [oʊ]
1	c**o**ding [co̯ʊdɪŋ]	c**o**ldest [co̯ʊldɪst]	c**o**ding [co̯ʊdɪŋ]
2	g**oa**ded	g**o**lem	g**oa**ded
3	h**o**ses	wh**o**lesome	h**o**ses
4	m**o**dem	m**o**lten	m**o**dem
5	p**o**sers	p**o**lling	p**o**sers
6	r**o**bot	r**o**ller	r**o**bot
7	s**o**journ	s**ou**lmate	s**o**journ
8	s**o**da	s**o**ldiers	s**o**da
9	p**o**dium	p**o**laroid	p**o**dium
10	s**o**berness	s**ou**lfully	s**o**berness

5. /u/-fronting

- **The target variant is /u/ pronounced with relatively backed vs. fronted tongue position, as in "goose" pronounced (more) like "gyoose" (possibly realized as [gys] or [gjus]).**
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Row	High back [u]	High front [i]	Fronted [u] (~ [y])
1	k**u**do [kudoʊ]	k**ee**ling [kilɪŋ]	k**u**do [kydoʊ]
2	m**oo**dy	m**ea**nest	m**oo**dy

3	n**oo**dle	n**ee**dless	n**oo**dle
4	r**u**deness	r**ea**list	r**u**deness
5	br**oo**ding	br**ea**ther	br**oo**ding
6	pr**u**dish	pr**ee**ning	pr**u**dish
7	st**u**dents	st**ea**ling	st**u**dents
8	sc**oo**ted	sch**e**mer	sc**oo**ted
9	s**oo**thingly	s**ee**diest	s**oo**thingly
10	st**u**dious	st**ea**mroller	st**u**dious

6. /æN/-raising

- **The target variant is /æ/ in pre-nasal position pronounced as a diphthong like [iæ], as in "stand" pronounced (more) like "stee-and".**
- For this table, target variant pronunciations are different across all three columns.

Row	Low front [æ]	High front [i]	Raised /ae/ (~ [iæ])
1	c**a**ndied **[kændid]**	k**ee**nly **[kinli]**	c**a**ndied **[kiændid]**
2	ch**a**nneled	ch**i**nos	ch**a**nneled
3	d**a**ncer	d**ea**ler	d**a**ncer
4	f**a**ncy	f**ee**lings	f**a**ncy
5	t**a**ntrums	t**ee**thing	t**a**ntrums
6	v**a**nish	v**e**nus	v**a**nish
7	m**a**nager	m**e**dia	m**a**nager
8	r**a**ndomness	r**ea**dership	r**a**ndomness
9	b**a**nditry	b**ea**dier	b**a**nditry
10	s**a**nity	sc**e**nery	s**a**nity

7. /æ/-backing

- The target variant is /æ/ is pronounced with relatively backed tongue position (similar to low central [a]), as in "trap" pronounced (more) like "trop" (or "tap" sounding closer to "top").
- <mark>For this table, target variant pronunciations are the same for Columns 1 and 2.</mark>

Row	Low front [æ]	Low front [æ]	Backed [æ] (~ [a])
1	battles [bærəlz]	balance [bæləns]	battles [barəlz]
2	madden	mallard	madden
3	padding	palate	padding
4	saddest	salads	saddest
5	shattered	shallow	shattered
6	tatters	tallow	tatters
7	battery	balcony	battery
8	gatherings	galleries	gatherings
9	tattletales	tallying	tattletales
10	chattering	challenges	chattering

8. Medial cluster reduction — [t] → ∅

- **The target variant is /st/ or /ft/ clusters pronounced with a released [t] or without (i.e., deleted [t]), as in "postcard" pronounced like "poscard".**
- <mark>For this table, target variant pronunciations are the same for Columns 2 and 3.</mark>

Row	Released [t]	∅ (no [t])	∅ (deleted [t])
1	coastguard [koʊstgɑd]	cosign [koʊsaɪn]	coastguard [koʊsgɑd]
2	fastball	fastened	fastball

3	la<u>st</u>ly	la<u>ss</u>o	la<u>st</u>ly
4	re<u>st</u>ful	wre<u>st</u>led	re<u>st</u>ful
5	so<u>ft</u>ball	so<u>ph</u>omore	so<u>ft</u>ball
6	va<u>st</u>ly	va<u>ss</u>al	va<u>st</u>ly
7	wai<u>st</u>line	way<u>s</u>ide	wai<u>st</u>line
8	re<u>st</u>lessness	re<u>s</u>cuer	re<u>st</u>lessness
9	wi<u>st</u>fulness	whi<u>s</u>pery	wi<u>st</u>fulness
10	wri<u>st</u>watches	ri<u>s</u>kiest	wri<u>st</u>watches