

Supplemental figures and tables

Matthew Faytak, "Place uniformity and drift in the Suzhounese fricative and apical vowels"

Table 1. Stimuli; additional fricative onset tokens from [ɕjæ⁴⁴] 箫 'flute',
[ɕy⁴⁴] 靴 'boot', [ɕy⁴⁴] 修 'repair', [so⁴⁴] 沙 'sand', and [sæ⁴⁴] 烧 'roast'.

	No fricative onset		Fricative onset	
	Ø onset	/p/ onset	/ɕ/ onset	/s/ onset
/i̯/	iɿ ⁴⁴ 衣 'clothes'	piɿ ⁵¹ 比 'compare'	ɕiɿ ⁴⁴ 稀 'rare'	siɿ ⁴⁴ 西 'west'
/y̯/	yɿ ⁴⁴ 迂 'winding'		ɕyɿ ⁴⁴ 虚 'weak'	
/ɥ/				sɿ ⁴⁴ 丝 'thread'
[ʋ]				sɿ ⁴⁴ 书 'book'
/i/	i ⁴⁴ 烟 'smoke'	pi ⁴⁴ 边 'side'	ɕi ⁴⁴ 掀 'upend'	si ⁴⁴ 鲜 'fresh'

Table 2. Place-voicing model fixed effects.

	β	SE	<i>t</i>	<i>p</i> (<i>t</i>)	
Intercept	9754.53	156.77	62.222	< 0.001	***
place -ant	-2451.04	151.09	-16.223	< 0.001	***
voice +voi	-210.48	65.22	-3.227	0.00126	**
cohort post	156.68	250.35	0.626	0.535	
gender male	-1373.04	328.60	-4.178	< 0.001	***
place -ant * voice +voi	-682.06	75.79	-9.000	< 0.001	***
place -ant * cohort post	-136.50	241.03	-0.566	0.574	
voice +voi * cohort post	-485.09	101.12	-4.797	< 0.001	***
place -ant * gender male	699.30	317.09	2.205	0.0331	*
voice +voi * gender male	-606.51	138.96	-4.365	< 0.001	***
cohort post * gender male	585.43	429.14	1.364	0.180	

plc -ant * voi +voi * cht post	148.41	117.87	1.259	0.208	
plc -ant * voi +voi * gen male	156.94	161.82	0.970	0.332	
plc -ant * cht post * gen male	-265.80	413.70	-0.642	0.524	
voi +voi * cht post * gen male	497.71	177.40	2.806	0.00503	**
pl -ant * vo +voi * ct post * gn male	137.32	207.32	0.662	0.508	

Table 3. Place-rounding model fixed effects.

	β	SE	t	$p(t)$	
Intercept	9562.43	234.19	40.833	< 0.001	***
place -ant	-3134.12	228.17	-13.736	< 0.001	***
round +rd	-2885.54	101.04	-28.557	<0.001	***
cohort post	-368.84	372.55	-0.990	0.328	
gender male	-2009.84	492.29	-4.083	< 0.001	***
place -ant * round +rd	2407.55	118.47	20.322	< 0.001	***
place -ant * cohort post	61.45	362.95	0.169	0.866	
round +rd * cohort post	-333.07	161.33	-2.064	0.0391	*
place -ant * gender male	872.11	479.74	1.818	0.0757	
round +rd * gender male	2458.96	216.44	11.361	< 0.001	***
cohort post * gender male	1106.92	640.72	1.728	0.0911	
plc -ant * rnd +rd * cht post	802.18	189.10	4.242	< 0.001	***
plc -ant * rnd +rd * gen male	-1288.04	253.02	-5.091	< 0.001	***
plc -ant * cht post * gen male	-175.49	624.62	-0.281	0.780	
rnd +rd * cht post * gen male	-620.91	279.88	-2.219	0.0266	*
pl -ant * rd +rd * ct post * gn male	248.28	329.19	0.754	0.451	

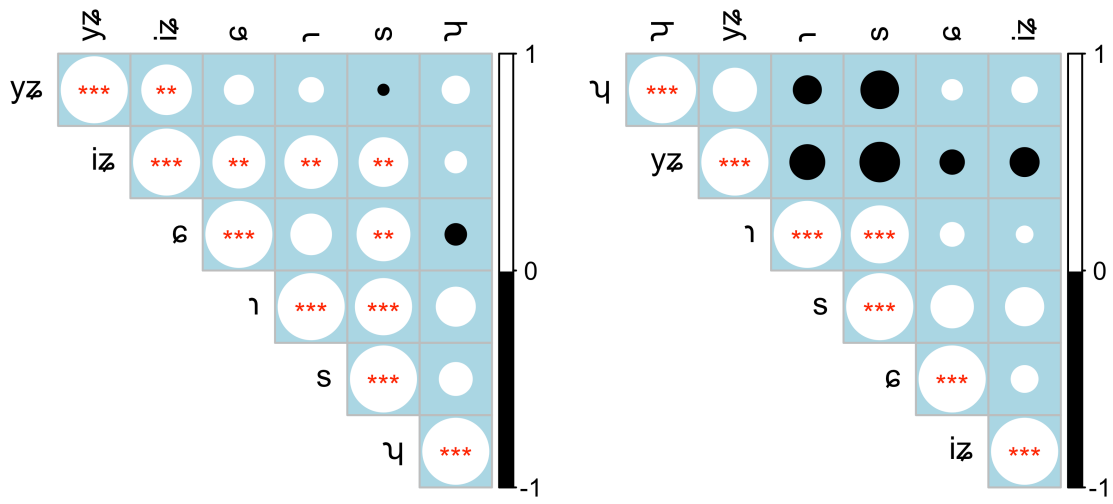


Figure 4. CoG correlograms for pre-1985 cohort (L) and post-1985 cohort (R).

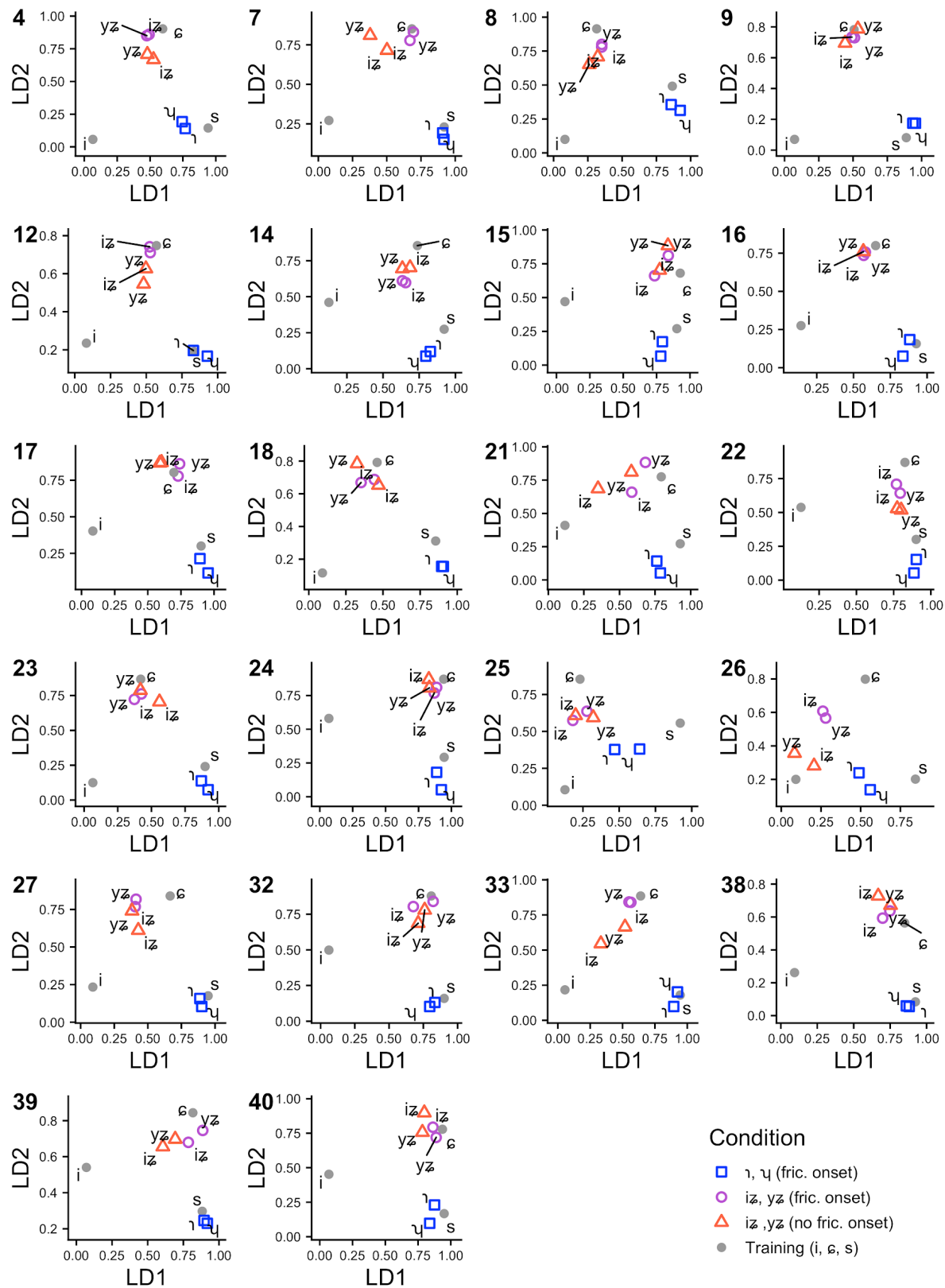


Figure 5. Range-normalized LD1-LD2 spaces for pre-1985 cohort.

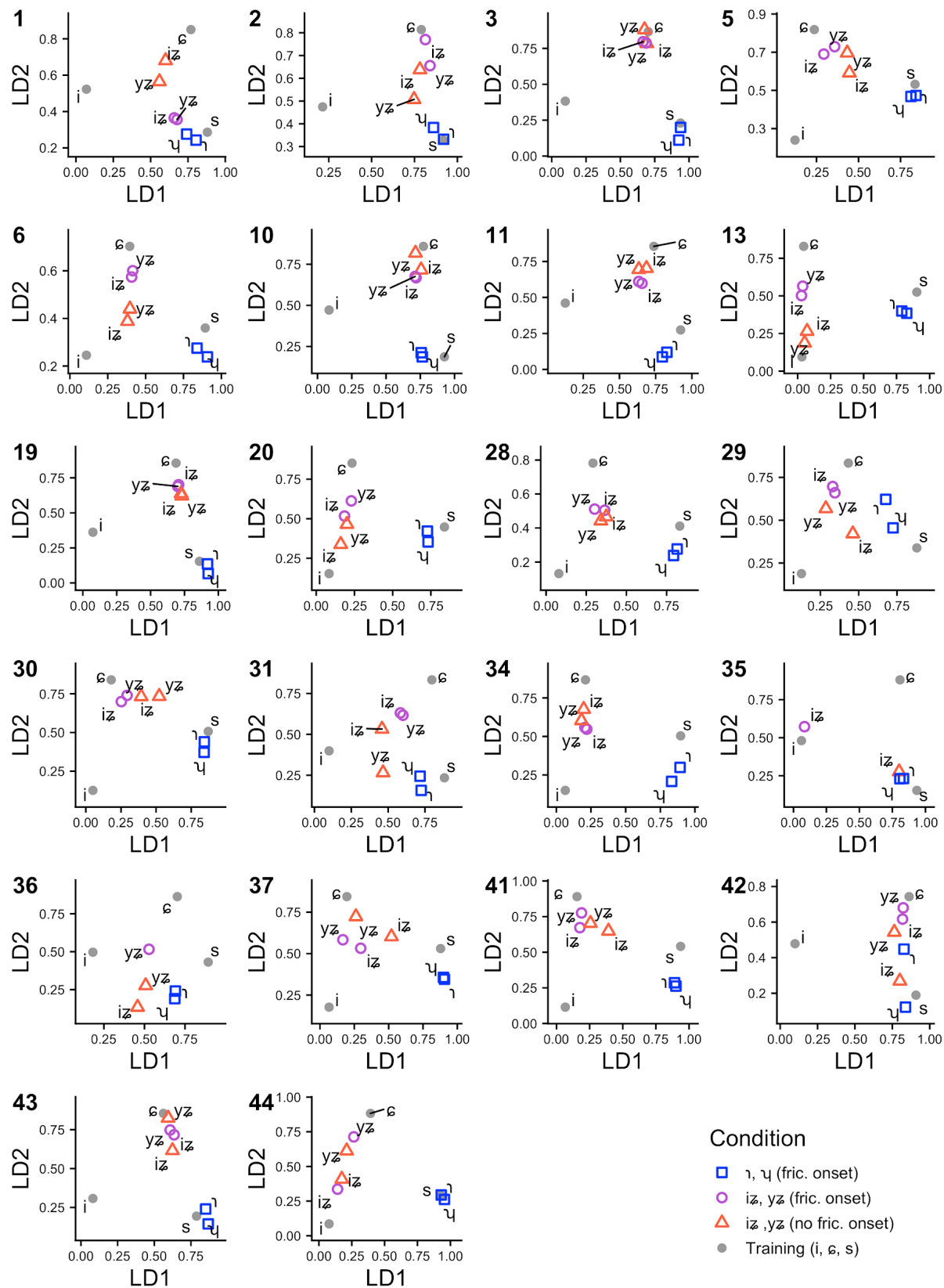


Figure 6. Range-normalized LD1-LD2 spaces for post-1985 cohort.

Table 7. /s/ distance model fixed effects.

	β	SE	t	$p(t)$	
Intercept	0.196	0.0223	8.759	< 0.001	***
phone /iz/	0.392	0.00906	43.222	< 0.001	***
phone /yɹ/	0.399	0.00989	40.311	< 0.001	***
phone /ɥ/	-0.0176	0.0114	-1.540	0.124	
cohort	-0.00654	0.0318	-0.205	0.838	
cohort * phone /iz/	-0.00800	0.0127	-0.630	0.529	
cohort * phone /yɹ/	0.00693	0.0139	0.499	0.618	
cohort * phone /ɥ/	-0.0101	0.0162	-0.623	0.533	

Table 8. /ɛ/ distance model fixed effects.

	β	SE	t	$p(t)$	
Intercept	0.733	0.0206	35.627	< 0.001	***
phone /iz/	-0.484	0.0101	-47.708	< 0.001	***
phone /yɹ/	-0.495	0.0111	-44.683	< 0.001	***
phone /ɥ/	-0.0411	0.0128	-3.217	< 0.01	**
cohort	-0.119	0.0293	-4.082	< 0.001	***
cohort * phone /iz/	0.261	0.0142	18.334	< 0.001	***
cohort * phone /yɹ/	0.228	0.0142	14.675	< 0.001	***
cohort * phone /ɥ/	0.00611	0.0181	0.337	0.736	

Table 9. /i/ distance model fixed effects.

	β	SE	t	$p(t)$	
Intercept	0.779	0.0323	24.079	< 0.001	***
phone /iz/	-0.139	0.00935	-14.917	< 0.001	***
phone /yɹ/	-0.104	0.0102	-10.160	< 0.001	***

phone /ɹ/	-0.0284	0.0118	-2.411	< 0.05	*
cohort	-0.0378	0.0462	-0.818	0.417	
cohort * phone /iɹ/	-0.0904	0.0131	-6.890	< 0.001	***
cohort * phone /yɹ/	-0.101	0.0143	-7.047	< 0.001	***
cohort * phone /ɹ/	0.0448	0.0167	2.680	< 0.01	**

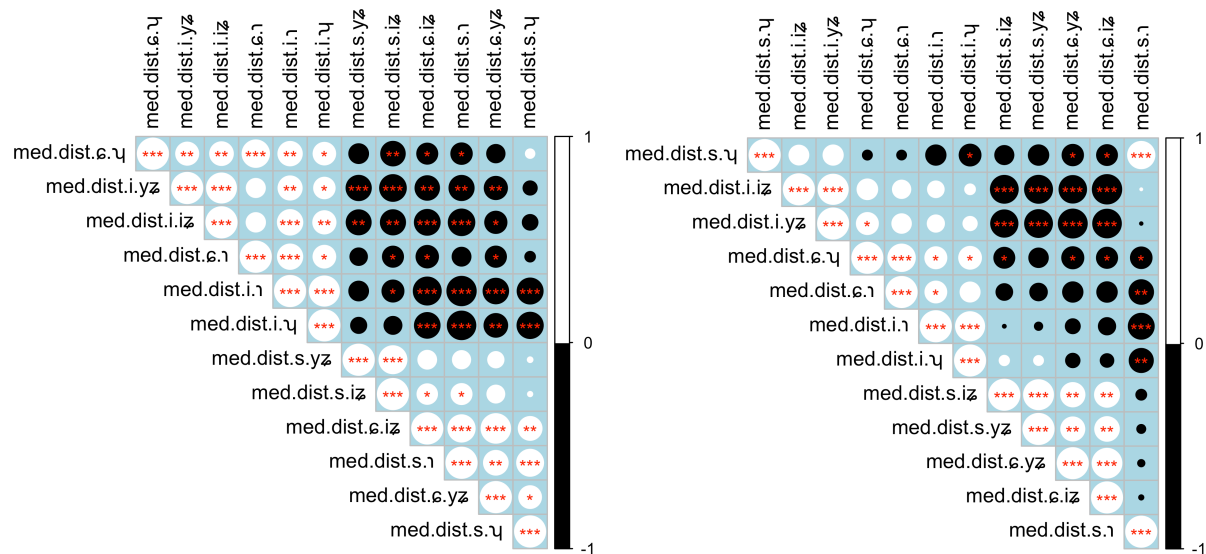


Figure 10. Correlograms for /s/, /ɛ/, and /i/ LD distance measures by phone for older cohort (L) and younger cohort (R).