Discrete Variants								
Daiki Hashimoto. 2019.	Cognitively-linked <u>exemplars of [1] an</u>	[1] b	Results					_
Background	are averaged when producing [1]			 Dependent variable: F3 <i>IC</i>(JISpeaker) is significant: [J] is produced with lower F3 when more predictable given 				
New Zealand English loanwords from Māori - NZE: [J] - Māori: [r]			 in Iow the spea <i>IC</i>(JILoa of larger 	ker anword) is 1 r number of	n more pred NOT signifi f loanwords	icant: no with [J]	effect	
- Phonetically distinct: [J] has lower F3	NZE speakers read passage in English, including some Māori loanwords with medial /r/ - classify as [J] if low F3, no consonant edges - classify as [f] if have consonant edges	Figure Sp [r]	e 4: Averagi	ing target	and adjac Spe [r]	ent exe eaker Y	mplars	
"A speaker represents exemplars with detailed phonetic information as well as categories"	 F3 Predictability: of [J] given loanword, speaker →IC (information content) is the -log₂ of p 	LOWER n adapted [ʌ]: is LESS li	umber of exemp a target exempl kely to be averag ding exemplars v	lars with lar with [J] ged with with [J]	HIGHER num adapted [J]: a t is MORE likel surrounding	ber of exer arget exen by to be ave g exemplar	mplars wit nplar with eraged wit s with [』]	h [ɹ] h
In production, speaker activates a category and selects an exemplar as basis of phonetic target	L Questions/Concerns							
Actual phonetic target is "average" of phonetic values of selected exemplar with those of surrounding exemplars	 Is it circular to use F3 both as classification criterion AND as dependent variable? 	Table	Table 2: Model summary of the best-fitted model					
Question: are phonetically-distinct exemplars averaged?	 How phonetically-categorical are [1] and [r]? Is there a grey area? Is IC legit? Is it better than just probability? I don't understand the stats (see model at right) 	(in <i>IC</i> (n	ntercept) J speaker) ativeF3	β 0.2207 0.1497 0.4599	<i>SE</i> 0.0807 0.0567 0.0589 0.1255	<i>t</i> 2.43 2.64 7.8	<i>p</i> ** * ***	
Hashimoto, Daiki. 2019. Exemplar Averaging of <i>Proceedings of the Tenth International Congress</i>	f Phonetically Discrete Variants. In s of Phonetic Sciences (pp.	ger No	fSegment wdFrea	-0.28 0.324 -0.053	$\begin{array}{c} 0.1255 \\ 0.0706 \\ 0.0232 \end{array}$	-2.2 4.59 -2.3	* *** *	

157-170). De Gruyter Mouton.