Is phonological consonant epenthesis possible? A series of artificial grammar learning experiments

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Supplementary materials

Table XIX provides the full information for each of the twelve conditions discussed in the paper. Training and test items are indicated by roman numerals corresponding to the rows of Table XVIII (cf. Table I). Allomorph ratio refers to the relative frequency of each of the suffix forms heard during training. Since participants overwhelmingly interpreted homorganic glide [ək] as the bare [ək] allomorph, those two allomorphs are counted as one in the Natural, Variable-1 and Variable-2 conditions.

i.	ˈɹatu	ˈɹɪlo	fɹaˈbomu	ʧoˈɹæno	ˈkɹo / ˈzo	ˈvu
ii.	ˈhædi	ˈskibe	teˈlʌpi	gluˈdɛbe	ˈfi	ˈsme
iii.	ˈpiʃu / ˈgɛθu	ˈhago	bəˈhʌʒu	ˈfæʤo	ˈzo / ˈkɹo	ˈgaidu
iv.	ˈvʌlki	ˈploke	ˈʤimi	diˈʒaɹe	ˈθuzi	ˈʃuvi
v.	ˈdaɹum	keˈtɛlan / ʤoˈɹʌfim	ˈhoʃɪn / ˈʧalum	ˈɹibæz	ˈpɹɛv	ˈbihɪl
vi.	ˈtwiʧo	ˈðipu	ˈmuɹo	ˈtɹɪfu	ˈmeko	ˈgɛθu / ˈpiʃu
vii.	ˈsabol	ˈgenʊɹ	ˈtɹifæd	(ˈtagæf)	ʤoˈɹʌfim / keˈtɛlan	ˈʧalum / ˈhoʃɪn

Table XVIII
Full list of stimuli across all conditions, both training
and test item stems, repeated from Table I.

condition	N	training	test	back vowels	front vowels	consonants	token counts		allomorph ratio
Natural	18	i, ii	iii, iv, v	ɹatuwək	skibejək		6	6	1:1
Anti-natural	18	i, ii	iii, iv, v	ɹatujək	skibewək		6	6	1:1
Variable-1	20	i, ii	iii, iv, v	ɹatuwək / ɹɪlo–ək	hædijək / skibe–ək		3 3	3 3	2:1:1
Consistent-w	20	i, v	iii, iv, vii	ɹatuwək	skibewək	daɹumwək	6	6	1
Full Alternation	18	i, ii, v	iii, iv, vii	ɹatujək		daɹumək	6	6	1:1:1
CTrained-1	24	i, v	iii, iv, vii	ɹatuwək		daɹumjək	6	6	1:1
CTrained-2	19	i, v	iii, iv, vii	ɹatujək		daɹumwək	6	6	1:1
HighFreq-t	16	i, vi, ii	iii, iv, v	ɹatutək	skibejək		12	6	2:1
HighFreq-Ø	19	i, ii, vi	iii, iv, v	ɹatu–ək	skibewək		12	6	2:1
HighFreq-j	22	i, ii, vi	iii, iv, v	ɹatujək	skibe–ək		12	6	2:1
Variable-2	21	i, ii, vi	iii, iv, v	ɹatu–ək / ɹɪlojək	hædiwək / skibe–ək		9 4 / 3 2		11:4:3
Variable-3	19	i, ii	iii, iv, v	ɹatutək / vɐʧək / ʧoɪɹenopək / zokək	telʌpitək / fiʧək / skibekək		1 1 / 1 1 / 2 / 2 4		3:1:1:1

Table XIX
Full list of conditions.