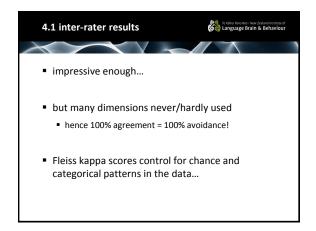


4.1 inter-rate	er res	ults	_		<b>6</b>	Languag	Reo - New Zealar e Brain & B NIVERSITY	ehaviou
Setting	absolute agreement (%)				agreement within 1 scalar degree			
	ES-PF	ES-JPF	JPF-PF	mean	ES-PF	ES-JPF	JPF-PF	mean
lip rounding	96	96	100	97	96	96	100	97
lip spreading	94	95	95	95	94	95	95	95
labio-dentalisation	98	100	98	99	98	100	98	99
extensive labial range	100	100	100	100	100	100	100	100
minimised labial range	100	100	100	100	100	100	100	100
close jaw	96	96	100	97	96	96	100	97
open jaw	100	100	100	100	100	100	100	100
ext. mandibular range	99	99	100	99	99	99	100	99
min. mandibular range	96	96	98	97	98	98	98	98
advanced tongue tip	55	56	66	59	69	73	78	73
retracted tongue tip	92	99	92	94	93	99	92	95
fronted tongue body	33	43	31	36	51	69	62	60
backed tongue body	97	97	100	98	97	97	100	98
ext. lingual range	98	99	99	99	100	100	100	100
min. lingual range	98	98	100	99	99	99	100	99
pharyngeal constriction	97	95	98	97	98	97	99	98
pharyngeal expansion	97	98	97	97	99	100	99	99

4.1 inter-rater results				Te Kihul Roso Reo - New Zealand Institute Language Brain & Behavio THE UNIVERSITY of York				
Setting	absolute agreement (%)				agreement within 1 scalar degr			
	ES-PF	ES-JPE	JPF-PF	mean	ES-PE	ES-JPF	JPF-PF	mea
nasal	43	36	49	43	66	75	75	72
denasal	90	87	92	90	91	88	93	91
raised larynx	78	73	71	74	85	84	79	82
lowered larynx	62	70	71	67	72	79	79	76
tense vocal tract	53	55	59	55	75	65	66	68
lax vocal tract	66	55	58	59	76	65	71	70
tense larynx	69	66	68	67	74	80	74	76
lax larynx	66	69	51	62	71	85	58	71
falsetto	100	100	100	100	100	100	100	100
creaky	42	37	59	46	80	79	85	81
whispery	90	94	88	91	95	98	95	96
breathy	49	42	64	52	72	77	85	78
murmur	99	100	99	99	100	100	100	100
harsh	75	74	76	75	84	80	84	82
tremor	100	100	100	100	100	100	100	100
Overall rate				76				82



inter-rater results		Te Kühul Roso Res Language B THE UNI
	V ~	
Setting	Fleiss' Kappa	agreement class
murmur	0.83	'almost perfect'
ext. lingual range	0.77	aimost periect
pharyngeal expansion	0.59	
min. mand. range	0.53	
whispery	0.53	
min. lingual range	0.49	'moderate'
pharyngeal constriction	0.49	
raised larynx	0.46	
harsh	0.43	
lowered larynx	0.41	

inter-rater result	3	Language B	
	V		
Setting	Fleiss' Kappa	agreement class	
advanced tongue tip	0.35		
tense larynx	0.34		
lax larynx	0.31		
creaky	0.31	'fair'	
breathy	0.31	lali	
lax vocal tract	0.29		
denasal	0.22		
tense vocal tract	0.22		
lip spreading	0.18		
nasal	0.13	'slight'	
fronted tongue body	0.01		
others		lefined	

