

Appendix E: Confusion matrices. Patterns of response in the categorization task by accent.

Australia

Choices	Spoken target																			
	zabba	zarba	zahba	zeeba	zeerba	zebba	zibba	zurba	zorba	zoyba	zubba	zoeba	zieba	zooba	zayba	zairba	zobba	zowba	zewba	zourba
	TRAP	START	BATH	FLEECE	NEAR	DRESS	KIT	NURSE	NORTH	CHOICE	STRUT	GOAT	PRICE	FOOT	FACE	SQUARE	LOT	MOUTH	GOOSE	TOUR
<i>bad</i>	59%	27%	27%	2%	2%	3%	1%	1%	2%	0%	34%	0%	1%	0%	31%	4%	2%	20%	0%	1%
<i>bard</i>	9%	63%	63%	1%	1%	2%	2%	1%	0%	2%	18%	0%	0%	1%	4%	2%	1%	5%	1%	1%
<i>bead</i>	0%	1%	0%	56%	29%	8%	2%	5%	0%	1%	0%	0%	0%	0%	2%	8%	1%	1%	0%	0%
<i>beard</i>	2%	1%	0%	6%	31%	0%	2%	13%	0%	0%	1%	0%	0%	0%	0%	8%	0%	1%	1%	1%
<i>bed</i>	6%	0%	0%	21%	13%	80%	5%	14%	0%	1%	1%	0%	0%	0%	2%	35%	0%	3%	0%	1%
<i>bid</i>	1%	0%	0%	11%	17%	0%	70%	0%	2%	0%	0%	1%	13%	0%	1%	0%	1%	0%	1%	0%
<i>bird</i>	1%	1%	0%	0%	1%	0%	1%	37%	0%	0%	0%	0%	4%	1%	2%	2%	0%	0%	0%	2%
<i>bored</i>	0%	0%	0%	0%	0%	0%	0%	1%	45%	1%	0%	3%	1%	2%	1%	1%	1%	0%	0%	27%
<i>boyd</i>	0%	0%	0%	0%	1%	1%	0%	0%	1%	73%	0%	4%	1%	0%	1%	1%	1%	0%	0%	2%
<i>bud</i>	5%	2%	1%	0%	0%	0%	0%	8%	3%	2%	34%	1%	1%	10%	0%	0%	2%	2%	12%	5%
<i>code</i>	0%	0%	0%	0%	0%	0%	0%	9%	11%	5%	0%	66%	0%	2%	0%	0%	9%	2%	2%	9%
<i>hide</i>	5%	0%	0%	0%	5%	1%	14%	0%	0%	2%	1%	0%	66%	0%	0%	1%	0%	2%	0%	0%
<i>hood</i>	1%	0%	0%	0%	0%	2%	0%	1%	3%	2%	0%	5%	0%	42%	0%	0%	4%	1%	35%	9%
<i>paid</i>	2%	1%	2%	2%	1%	0%	0%	0%	0%	0%	0%	2%	12%	1%	56%	9%	0%	8%	1%	0%
<i>paired</i>	4%	2%	5%	1%	0%	2%	1%	5%	2%	0%	1%	0%	0%	0%	1%	28%	0%	3%	1%	0%
<i>pod</i>	0%	0%	0%	1%	0%	1%	1%	2%	13%	8%	2%	16%	0%	6%	0%	1%	80%	1%	5%	8%
<i>proud</i>	2%	2%	0%	0%	0%	1%	0%	1%	3%	2%	1%	1%	0%	6%	1%	2%	0%	42%	5%	5%
<i>rude</i>	2%	0%	1%	0%	0%	0%	1%	2%	2%	0%	9%	1%	0%	23%	0%	0%	0%	1%	31%	10%
<i>toured</i>	0%	0%	1%	0%	0%	0%	0%	2%	16%	2%	0%	1%	2%	5%	0%	1%	0%	9%	7%	21%

Appendix E: Confusion matrices. Patterns of response in the categorization task by accent.

London

Choices	Spoken target																			
	zabba	zarba	zahba	zeeba	zeerba	zebba	zibba	zurba	zorba	zoyba	zubba	zoeba	zieba	zooba	zayba	zairba	zobba	zowba	zewba	zourba
	TRAP	START	BATH	FLEECE	NEAR	DRESS	KIT	NURSE	NORTH	CHOICE	STRUT	GOAT	PRICE	FOOT	FACE	SQUARE	LOT	MOUTH	GOOSE	TOUR
<i>bad</i>	63%	13%	17%	0%	2%	5%	1%	4%	0%	0%	21%	5%	0%	0%	15%	1%	0%	19%	0%	0%
<i>bard</i>	14%	79%	74%	0%	1%	0%	1%	6%	0%	0%	25%	0%	0%	1%	5%	2%	0%	9%	0%	0%
<i>bead</i>	0%	0%	0%	65%	9%	2%	1%	5%	0%	2%	2%	0%	0%	2%	2%	5%	0%	0%	6%	0%
<i>beard</i>	0%	0%	1%	5%	20%	3%	7%	19%	0%	0%	0%	0%	1%	1%	2%	15%	0%	0%	2%	0%
<i>bed</i>	2%	1%	0%	18%	22%	79%	20%	13%	0%	0%	3%	1%	0%	14%	1%	34%	1%	1%	2%	0%
<i>bid</i>	0%	0%	0%	8%	3%	0%	51%	0%	0%	1%	0%	1%	5%	15%	0%	0%	0%	0%	2%	0%
<i>bird</i>	0%	1%	1%	0%	2%	0%	2%	30%	1%	1%	0%	0%	2%	2%	0%	3%	0%	1%	0%	0%
<i>bored</i>	0%	1%	0%	0%	0%	0%	0%	3%	46%	2%	0%	2%	0%	4%	0%	1%	9%	1%	0%	43%
<i>boyd</i>	0%	0%	0%	0%	0%	1%	0%	0%	2%	64%	0%	2%	1%	2%	1%	0%	1%	1%	1%	3%
<i>bud</i>	13%	1%	1%	1%	0%	0%	0%	1%	1%	0%	41%	1%	0%	18%	0%	0%	2%	0%	6%	1%
<i>code</i>	1%	1%	0%	0%	0%	1%	0%	1%	13%	10%	1%	55%	1%	5%	0%	1%	20%	2%	2%	19%
<i>hide</i>	1%	0%	1%	2%	0%	0%	15%	1%	0%	4%	0%	2%	62%	1%	1%	0%	0%	0%	1%	0%
<i>hood</i>	0%	0%	0%	0%	0%	0%	0%	0%	2%	2%	0%	5%	0%	7%	0%	0%	4%	0%	36%	3%
<i>paid</i>	2%	2%	1%	0%	6%	5%	2%	3%	0%	4%	2%	2%	26%	1%	65%	4%	0%	2%	0%	0%
<i>paired</i>	4%	2%	4%	0%	34%	4%	1%	5%	0%	0%	1%	0%	2%	2%	8%	34%	0%	2%	1%	0%
<i>pod</i>	0%	0%	0%	0%	0%	0%	0%	0%	10%	5%	1%	16%	0%	7%	0%	0%	60%	1%	2%	9%
<i>proud</i>	2%	0%	0%	0%	0%	0%	1%	0%	5%	7%	0%	9%	0%	3%	0%	0%	2%	52%	2%	4%
<i>rude</i>	0%	1%	0%	0%	0%	0%	0%	5%	2%	0%	3%	0%	0%	9%	0%	0%	0%	1%	32%	1%
<i>toured</i>	0%	1%	1%	1%	0%	0%	0%	5%	18%	0%	1%	2%	0%	6%	1%	1%	2%	11%	5%	18%

Appendix E: Confusion matrices. Patterns of response in the categorization task by accent.

New Zealand

Choices	Spoken target																			
	zabba	zarba	zahba	zeeba	zeerba	zebba	zibba	zurba	zorba	zoyba	zubba	zoeba	zieba	zooba	zayba	zairba	zobba	zowba	zewba	zourba
	TRAP	START	BATH	FLEECE	NEAR	DRESS	KIT	NURSE	NORTH	CHOICE	STRUT	GOAT	PRICE	FOOT	FACE	SQUARE	LOT	MOUTH	GOOSE	TOUR
<i>bad</i>	24%	20%	19%	1%	0%	0%	1%	0%	0%	0%	16%	1%	1%	0%	16%	0%	0%	16%	0%	0%
<i>bard</i>	0%	62%	71%	0%	0%	0%	0%	1%	0%	0%	26%	0%	0%	0%	4%	1%	0%	9%	0%	0%
<i>bead</i>	10%	0%	0%	64%	23%	12%	7%	4%	0%	0%	0%	0%	0%	1%	5%	15%	0%	0%	1%	0%
<i>beard</i>	5%	0%	0%	6%	16%	7%	3%	8%	0%	0%	2%	0%	0%	0%	2%	18%	0%	1%	1%	0%
<i>bed</i>	45%	0%	0%	16%	20%	20%	32%	9%	0%	1%	0%	0%	1%	1%	0%	17%	0%	5%	0%	0%
<i>bid</i>	2%	1%	0%	6%	7%	44%	41%	1%	0%	0%	1%	0%	11%	0%	1%	5%	0%	0%	0%	0%
<i>bird</i>	2%	1%	0%	1%	3%	1%	2%	27%	0%	0%	0%	1%	4%	1%	1%	6%	1%	0%	0%	0%
<i>bored</i>	0%	0%	0%	0%	0%	0%	0%	2%	53%	1%	0%	4%	0%	10%	0%	0%	14%	1%	2%	58%
<i>boyd</i>	1%	0%	0%	0%	0%	0%	0%	2%	9%	81%	1%	20%	2%	5%	0%	0%	5%	1%	2%	9%
<i>bud</i>	1%	4%	5%	0%	0%	0%	5%	7%	0%	0%	46%	1%	0%	13%	1%	0%	3%	2%	2%	1%
<i>code</i>	0%	0%	0%	1%	1%	0%	1%	4%	1%	2%	1%	52%	0%	2%	0%	0%	5%	0%	1%	2%
<i>hide</i>	0%	2%	0%	1%	1%	5%	3%	0%	0%	0%	0%	0%	71%	0%	1%	1%	0%	2%	0%	0%
<i>hood</i>	0%	0%	0%	0%	0%	0%	1%	7%	5%	2%	0%	5%	0%	30%	0%	0%	5%	1%	43%	4%
<i>paid</i>	2%	2%	2%	4%	9%	5%	2%	1%	0%	0%	1%	0%	6%	0%	63%	13%	2%	9%	0%	0%
<i>paired</i>	9%	5%	1%	0%	21%	5%	1%	2%	0%	0%	0%	0%	3%	1%	5%	23%	0%	2%	0%	0%
<i>pod</i>	0%	1%	0%	0%	0%	1%	0%	2%	9%	2%	1%	10%	0%	17%	0%	0%	55%	1%	2%	2%
<i>proud</i>	0%	3%	1%	0%	0%	0%	0%	5%	1%	5%	2%	5%	1%	6%	1%	1%	5%	42%	8%	1%
<i>rude</i>	0%	0%	0%	0%	0%	1%	2%	7%	2%	2%	5%	0%	0%	6%	0%	0%	0%	0%	30%	2%
<i>toured</i>	0%	1%	2%	0%	0%	0%	0%	13%	21%	4%	0%	2%	1%	6%	0%	1%	5%	11%	9%	22%

Appendix E: Confusion matrices. Patterns of response in the categorization task by accent.

Yorkshire

Choices	Spoken target																			
	zabba	zarba	zahba	zeeba	zeerba	zebba	zibba	zurba	zorba	zoyba	zubba	zoeba	zieba	zooba	zayba	zairba	zobba	zowba	zewba	zourba
	TRAP	START	BATH	FLEECE	NEAR	DRESS	KIT	NURSE	NORTH	CHOICE	STRUT	GOAT	PRICE	FOOT	FACE	SQUARE	LOT	MOUTH	GOOSE	TOUR
<i>bad</i>	41%	15%	40%	1%	0%	9%	0%	1%	2%	0%	0%	0%	0%	0%	2%	5%	0%	22%	0%	0%
<i>bard</i>	22%	74%	24%	1%	1%	0%	1%	4%	11%	0%	1%	3%	2%	0%	2%	2%	1%	6%	1%	13%
<i>bead</i>	2%	0%	1%	63%	32%	11%	5%	3%	1%	1%	0%	1%	1%	0%	13%	7%	0%	2%	5%	0%
<i>beard</i>	0%	0%	0%	6%	31%	3%	5%	19%	2%	0%	1%	5%	0%	0%	5%	10%	0%	1%	1%	2%
<i>bed</i>	1%	0%	2%	18%	9%	74%	20%	11%	0%	0%	2%	2%	0%	0%	17%	30%	0%	0%	2%	1%
<i>bid</i>	0%	0%	0%	9%	10%	0%	59%	0%	0%	2%	1%	2%	16%	0%	0%	1%	0%	0%	1%	0%
<i>bird</i>	0%	1%	0%	0%	6%	0%	2%	52%	0%	0%	1%	15%	2%	1%	2%	10%	0%	2%	0%	3%
<i>bored</i>	0%	1%	1%	0%	0%	0%	0%	3%	53%	2%	6%	39%	1%	1%	0%	1%	13%	1%	1%	50%
<i>boyd</i>	0%	0%	1%	0%	0%	0%	0%	0%	1%	67%	2%	2%	0%	5%	0%	0%	1%	3%	0%	3%
<i>bud</i>	26%	0%	19%	1%	1%	0%	0%	1%	1%	0%	12%	1%	1%	12%	0%	0%	2%	1%	2%	0%
<i>code</i>	0%	0%	0%	0%	0%	0%	0%	1%	5%	5%	5%	12%	0%	2%	0%	0%	7%	1%	0%	2%
<i>hide</i>	0%	1%	0%	0%	2%	0%	2%	1%	1%	9%	0%	0%	69%	0%	1%	0%	1%	2%	0%	0%
<i>hood</i>	0%	0%	1%	1%	0%	0%	2%	1%	2%	2%	40%	4%	1%	38%	2%	0%	6%	0%	40%	2%
<i>paid</i>	3%	2%	5%	0%	2%	1%	2%	0%	1%	0%	0%	0%	5%	1%	30%	4%	1%	5%	0%	0%
<i>paired</i>	2%	4%	3%	0%	5%	2%	2%	0%	1%	1%	0%	1%	3%	0%	25%	31%	0%	4%	1%	0%
<i>pod</i>	0%	0%	2%	0%	0%	0%	0%	0%	13%	4%	12%	5%	1%	16%	1%	0%	65%	1%	2%	11%
<i>proud</i>	0%	1%	0%	0%	0%	0%	0%	1%	4%	4%	6%	2%	0%	7%	0%	0%	3%	41%	4%	3%
<i>rude</i>	3%	0%	3%	0%	0%	0%	0%	1%	0%	0%	10%	2%	0%	15%	0%	0%	0%	0%	30%	2%
<i>toured</i>	1%	2%	0%	0%	1%	0%	0%	2%	3%	2%	3%	5%	0%	2%	0%	0%	0%	10%	12%	7%

Appendix E: Confusion matrices. Patterns of response in the categorization task by accent.

Newcastle

Choices	Spoken target																			
	zabba	zarba	zahba	zeeba	zeerba	zebba	zibba	zurba	zorba	zoyba	zubba	zoeba	zieba	zooba	zayba	zairba	zobba	zowba	zewba	zourba
	TRAP	START	BATH	FLEECE	NEAR	DRESS	KIT	NURSE	NORTH	CHOICE	STRUT	GOAT	PRICE	FOOT	FACE	SQUARE	LOT	MOUTH	GOOSE	TOUR
<i>bad</i>	34%	8%	46%	3%	2%	15%	2%	4%	2%	0%	3%	1%	1%	2%	5%	2%	7%	13%	0%	2%
<i>bard</i>	41%	20%	30%	1%	2%	2%	2%	2%	1%	2%	2%	2%	2%	2%	2%	4%	3%	1%	1%	0%
<i>bead</i>	1%	1%	0%	55%	30%	3%	7%	3%	0%	0%	0%	0%	1%	0%	20%	5%	0%	1%	1%	0%
<i>beard</i>	1%	1%	0%	2%	25%	2%	1%	6%	0%	0%	0%	0%	0%	0%	10%	5%	0%	0%	0%	0%
<i>bed</i>	3%	0%	2%	23%	13%	66%	56%	13%	0%	1%	4%	0%	0%	0%	29%	36%	1%	5%	2%	0%
<i>bid</i>	0%	0%	0%	9%	5%	0%	22%	2%	0%	3%	1%	0%	18%	0%	1%	0%	0%	0%	1%	0%
<i>bird</i>	0%	1%	0%	0%	4%	1%	1%	45%	0%	2%	0%	1%	2%	0%	4%	2%	0%	0%	1%	2%
<i>bored</i>	1%	47%	0%	0%	0%	0%	0%	1%	70%	0%	13%	61%	0%	5%	0%	0%	11%	1%	5%	20%
<i>boyd</i>	1%	2%	0%	0%	2%	0%	0%	0%	1%	69%	1%	0%	1%	2%	0%	1%	3%	3%	1%	5%
<i>bud</i>	15%	2%	17%	0%	1%	2%	1%	0%	0%	1%	17%	1%	0%	2%	0%	1%	8%	1%	5%	2%
<i>code</i>	0%	3%	0%	0%	0%	0%	0%	1%	10%	2%	5%	5%	0%	2%	0%	0%	8%	2%	4%	2%
<i>hide</i>	0%	0%	1%	5%	6%	1%	5%	1%	1%	9%	1%	1%	62%	0%	2%	2%	0%	0%	0%	0%
<i>hood</i>	0%	2%	1%	0%	0%	1%	0%	1%	2%	2%	20%	7%	0%	44%	0%	0%	1%	0%	41%	14%
<i>paid</i>	1%	1%	0%	1%	2%	4%	2%	2%	0%	2%	0%	0%	11%	0%	14%	12%	0%	8%	0%	0%
<i>paired</i>	2%	2%	2%	1%	9%	4%	1%	6%	1%	1%	0%	0%	3%	0%	13%	30%	0%	2%	0%	0%
<i>pod</i>	1%	3%	0%	0%	0%	0%	0%	2%	2%	2%	17%	2%	0%	2%	0%	0%	55%	2%	1%	2%
<i>proud</i>	0%	4%	0%	0%	0%	0%	0%	3%	3%	5%	4%	7%	1%	7%	0%	0%	2%	47%	5%	13%
<i>rude</i>	1%	0%	1%	0%	0%	0%	0%	4%	0%	0%	9%	3%	0%	28%	1%	0%	0%	0%	30%	16%
<i>toured</i>	0%	5%	1%	0%	0%	0%	0%	5%	9%	2%	2%	9%	0%	5%	0%	0%	2%	16%	4%	23%