

## APPENDICES

### Appendix 1: Table with target features + excerpts annotated with target features + example of an excerpt within a longer paragraph

	Feature	Positional variants	Example
1	realization of /r/		very
2	Rhoticity	2a preceding a consonant	bark
		2b final (following vowel other than schwa)	bar
		2c final (following schwa)	writer
3	realization of /t/	3a intervocalic	city
		3b preceding a liquid	bottle
		3c preceding a nasal	button
4	TRAP vowel		trap
5	BATH vowel	5a preceding a fricative	bath
		5b preceding a nasal	dance
6	LOT vowel		lot
7	THOUGHT vowel		thought
8	STRUT vowel		strut
9	GOAT vowel		goat
10	FACE vowel		face
11	PRICE vowel		price

#### Southern England accent

Their dog (6) was sitting (3a) near (2c) the driveway (11, 10) but when the car (2b) door opened (9), he jumped (8) out rapidly (1, 4) and began (4) to bark (2a). His master (5a, 2c) threw him a little (3b) ball he brought (7) from France (5b).

I'm very (1) happy (4) to work (2a) in the bar (2b). It's fun (8) there (2c)! My (11) last (5a) job (6) was to answer (5b, 2c) the phone (9) and flatter (4, 3a, 2c) my boss (6). I thought (7) I'd (11) go (9) crazy (11)! A total (9, 3b) mistake (10)!

Last (5a) Saturday (3a) we brought (7) home (9) some things from our summer (8, 2c) flat (4). For the transport (5b, 2a), we rented (1) a car (2b). We took only (9) a sofa (9) and five (11) chairs (2a) because the table (10) was rotten (6, 3c).

Eight (10) words (2a) were written (3c) in gold (9) on the front (7) door (2b). "Do you understand (8, 4) it?" asked (5a) Mary (4, 1) but Peter (3a, 2c) didn't answer (5b, 2c) because something else caught (7) his eye (11).

### **Northern England accent**

My brother (8, 2c) Mark (2a) is a lucky (8) man (4). Eight (10) years ago (9), he won (6) the main (10) prize (11) in a lottery (6, 3a, 1). What are the chances (5b)? For the money, he bought (7) a store (2b) that sells glass (5a) bottles (3b).

We got (6) stuck (8) due to a really (1) bad (4) car (2b) crash (5) and arrived (1) at my aunt's (5b) cottage (6, 3a) at almost (9) quarter (3a, 2a, 2c) past (5a) ten. So we're a little (3b) late (10), I thought (7).

My mother's (8) granddad (5) had hundreds (8) of jobs (6). He worked (2a) as a translator (5b, 10, 3a, 2c), craftsman (5a), bus (8) driver (11), or a soldier (9, 2c). He fought (7) in plenty of battles (4, 3b) during (1) the Great (10) war (2b).

Their younger (8) daughter (7, 3a, 2c) Sarah (1) is twenty-eight (10) and she's the most (9) popular (6, 2c) freestyle (11) dancer (5b, 2c) in the capital (4, 3b) city (3a). She also studies (8) art (5a) and she just (8) started (2a) her last (5a) year (2b).

### **Scottish English accent**

Birds were singing and the cattle (3b) were eating (3a) grass (5a) near (2b) the farm (2a). Last (5a) year (2b), my brother (8, 2c) bought (7) six lack (4) goats (9), lots (6) of ducks (8) and planted (5b) eight (10) pine (11) trees. He was very (1) happy (4).

Jack (4) was last (5a) at the start (2a) and Bob (6) thought (7) he had little (3b) chance (5b) to win. But Jack (4) never (2c) gives up (8). He defeated (3a) all eighty-four (10, 2b) runners (1, 8) and finally (11) won (6) his first gold (9).

A heavy rain (1, 10) was hitting (3a) the path (5a). Then the thunder (8, 2c) started (2a). The old (9) lady (10) tried (11) to comfort (6, 2a) her granddaughter (4, 7, 3a, 2c), but the little (3b) girl still cried (11).

Dad (4) bought (7) me three great (10) gifts – earrings (1), sunglasses (8, 5a) and a new guitar (3a, 2b). Best birthday (10) ever (2c)! And we opened (9) a bottle (6, 3b) of sparkling (2a) wine (11).

### **General American**

Once you know (9) the correct (1) answer (5b, 2c), press the black (4) button (8, 3b). The first (2a) class (5a) ought (7) to start (2a) on Saturday (3a) at three o'clock (6), the other (2c) on Tuesday (10) at the same (10) time (11), or at four (2b).

After (5a, 2c) a lunch (8) in the bar (2b), the girls (2a) went shopping (6) to the city (3a). Sarah (1) bought (7) a new grey (10) cotton (6, 3b) scarf (2a), while (11) Dorothy chose (9) tap (4) dance (5b) shoes.

Peter (3a, 2c) Jackson (4), a partner (2a, 2c) at a local (9) kettle (3b) company (6) and a war (2b) hero (1, 9), who fought (7) in France (5b) and in Cuba, died (11) last (5a) Sunday (8, 10) at the age (10) of ninety (11) three.

My daughter's (7, 3a, 2c) class (5a) teacher (2c), Mrs. Crab (4), has written (3b) five (11) short (2a) novels (6) and four (2b) theatre (2c) plays (10). Moreover (1, 9, 2c), she translates (5b, 10) from both (9) Russian (8) and Portuguese.

### **Southern American accent**

It was only (9) five (11) o'clock (6), but it was getting (3a) dark (2a) on the horizon (1). The man (4) waiting (10) in his little (3b) car (2b) thought (7) of his uncle (8) who died (11) in an avalanche (5b) last (5a) winter (2c).

A funny (8) old (9) man (4) wearing (1) a tight (11) grey (10) sweater (3a; 2c) was walking (7) his dog (6) there (2b). Sir (2b), where is the city (3a) centre? No (9) answer (5b; 2c).

It was a hot (6) dark (2a) night (11). The bus (8) back (4) home (9) was twenty minutes late (10) so I bought (7) another (8; 2c) rum (8) shot (6). I glanced (5b) at a pretty (3a) girl (2a) at the bar (2b).

Luckily (8), a fat (4) guy (11) waiting (10) for the cold (9) rain (1, 10) to stop (6) saw it by chance (5b) and caught (7) the poor (2b) kitten (3b). Then he became (10) an internet star (2b).

### **Australian English accent**

Although (9) aunt (5b) Jill arrived (1, 11) from her summer (8, 2c) holiday (6, 10) a month and a half (5a) ago (9), in her thoughts (7) she was back (4) in the far (2b) south, sitting (3a) by the little (3b) river (1, 2c) near (2b) the port (2a).

At the bottom (6, 3b) of the right (11) page (10) there (1) is a number (8, 2c). It's the amount of sold (9) items (11, 3a) minus (11) what you bought (7) in last (5a) three months, for (1) example (5b) the blackboard (4, 2a) or the wheelchair (2b).

After (5a, 2c) the theatre affair (2b), the commander (5b, 2c) and his whole (9) family (4) – his wife (11), daughters (3a, 7) and their (2b) dog (6) – moved away (10) and settled (3b) down on a farm (2a) named (10) Sunny (8) Forest (6, 1).

The heavy rains (10) brought (7) more (2b) problems (6). The water (3a, 2c) that ran (4) through the town paralyzed (1, 11) the public (8) transport (5b, 2a) and led to a total (9, 3b) destruction (8) of the castle (5a).

### **Example of an excerpt within a longer paragraph**

Judy was just cooking pasta for dinner when she heard a car parking in front of their house. It must be Jim! She went to the window and looked into the front garden. Their dog was sitting near the driveway but when the car door opened, he jumped out rapidly and began to bark. His master threw him a little ball he brought from France. Judy felt so happy that her husband was finally at home; she never thought she would feel so lonely without him. She could hear him walk up the stairs that led to the main door and went to greet him.

## Appendix 2: Questionnaire

### Dotazník

muž / žena

(Vaši odpověď vždy zakroužkujte.)

kód: \_\_\_\_\_

### Do jaké míry souhlasíte s následujícími výroky?

1 = Naprosto souhlasím; 7 = Vůbec nesouhlasím

*Anglický jazyk je nezbytným nástrojem pro můj další pracovní a/nebo soukromý život.*

1      2      3      4      5      6      7

*Ovládnutí výslovnosti na úrovni rodilého mluvčího je nezbytným předpokladem pro úspěšnou komunikaci v AJ a mělo by být cílem každého studenta.*

1      2      3      4      5      6      7

### Byl(a) jste někdy v anglicky mluvící zemi po dobu alespoň dvou týdnů v kuse?

Ano

Ne

#### **Pokud ano, o jakou oblast(i) šlo?**

Anglie	Skotsko	Wales	Severní Irsko
Irsko			
USA	Kanada	Austrálie	Nový Zéland
Jiné			

#### **Jaký byl účel této cesty / cest?**

Turistika pobyt	Návštěva rodiny / přátel	Jazykový studijní
Studijní pobyt	Jiné	

### Jste v pravidelném ústním kontaktu (alespoň jednou týdně) s rodilými mluvčími AJ?

Ano

Ne

#### **Pokud ano, odkud rodilý mluvčí pochází?**

Anglie	Skotsko	Wales	Severní Irsko	Irsko
USA	Kanada	Austrálie	Nový Zéland	Jiné

**Jak často jste v kontaktu s mluvenou AJ v médiích (počítač, televize, kino)?**

Denně                      Několikrát týdně                      Několikrát měsíčně                      Méně často

**Jaký vztah máte k následujícím anglofonním zemím?**

**1 = velmi kladný;    7 = velmi záporný**

Velká Británie:	1	2	3	4	5	6	7
Irsko:	1	2	3	4	5	6	7
USA:	1	2	3	4	5	6	7
Kanada:	1	2	3	4	5	6	7
Austrálie:	1	2	3	4	5	6	7
Nový Zéland:	1	2	3	4	5	6	7

**Jaký vztah máte k následujícím anglofonním kulturám?**

**1 = velmi kladný;    7 = velmi záporný**

Anglická:	1	2	3	4	5	6	7
Velšská:	1	2	3	4	5	6	7
Skotská:	1	2	3	4	5	6	7
Severoírská:	1	2	3	4	5	6	7
Irská:	1	2	3	4	5	6	7
Americká (USA):	1	2	3	4	5	6	7
Kanadská:	1	2	3	4	5	6	7
Australská:	1	2	3	4	5	6	7
Novozélandská:	1	2	3	4	5	6	7

**Vaše poznámky:**

### Appendix 3: Fixed effects used in the analyses

Variable	Note
Listener's sex	male × female
Speaker's sex	male × female
Block order	order of the two blocks of the perceptual test
Accent	SE × NE × SC × GA × SA × AU
English importance	perceived importance of English rated (1 = highly important; 7 = not important at all)
Pronunciation importance	perceived importance of pronunciation of English (1 = highly important; 7 = not important at all)
Visit	student visited an English-speaking country (yes × no)
Multiple Visit	student visited at least two English-speaking countries (yes × no)
Extended Visit	the purpose of student's visit was studying (yes × no)
Visit England	student visited England (yes × no)
Visit Celtic	student visited Scotland and/or Ireland (yes × no)
Visit America	student visited the USA and/or Canada (yes × no)
Visit Australasia	student visited Australia and/or New Zealand (yes × no)
Contact	student is in contact with a native speaker of English (yes × no)
Multiple Contact	student is in contact with more native speakers from different regions (yes × no)
Contact England	student is in contact with a native speaker from England (yes × no)
Contact Celtic	student is in contact with a native speaker from Scotland and/or Ireland (yes × no)
Contact America	student is in contact with a native speaker from the USA and/or Canada (yes × no)
Contact Australasia	student is in contact with a native speaker from Australia and/or New Zealand (yes × no)
Relation UK	relation to the UK (1 = highly positive; 7 = highly negative)
Relation Ireland	relation to Ireland (1 = highly positive; 7 = highly negative)
Relation USA	relation to the USA (1 = highly positive; 7 = highly negative)
Relation Canada	relation to Canada (1 = highly positive; 7 = highly negative)
Relation Australia	relation to Australia (1 = highly positive; 7 = highly negative)
Relation NZ	relation to New Zealand (1 = highly positive; 7 = highly negative)
English Culture	relation to the English culture (1 = highly positive; 7 = highly negative)
Scottish Culture	relation to the Scottish culture (1 = highly positive; 7 = highly negative)
Irish Culture	relation to the Irish culture (1 = highly positive; 7 = highly negative)
Welsh Culture	relation to the Welsh culture (1 = highly positive; 7 = highly negative)
US Culture	relation to the US culture (1 = highly positive; 7 = highly negative)
Canadian Culture	relation to the Canadian culture (1 = highly positive; 7 = highly negative)
Australian Culture	relation to the Australian culture (1 = highly positive; 7 = highly negative)
NZ Culture	relation to the New Zealand culture (1 = highly positive; 7 = highly negative)
Rhoticity	yes × no
Monophthongization	monophthongization to mid vowels (yes × no)
/t/ realization	alveolar plosive × alveolar flap × glottal stop

#### Appendix 4: The final model for comprehensibility

Linear mixed model fit by maximum likelihood [lmerMod]

Formula: Comprehensibility ~ Accent \* Group + ListenerSex + (1 | `Speaker ID`)  
+ (1 +  
Accent | `Listener ID`)

Scaled residuals:

Min	1Q	Median	3Q	Max
-3.0619	-0.4983	-0.0919	0.5329	3.6717

Random effects:

Groups	Name	Variance	Std.Dev.	Corr				
Listener ID	(Intercept)	30908	175.81					
	AccentGA	20309	142.51	-0.98				
	AccentNE	9225	96.05	0.39	-0.46			
	AccentSA	4347	65.93	-0.67	0.74	-0.93		
	AccentSC	2488	49.87	0.86	-0.94	0.50	-0.77	
	AccentSE	19519	139.71	-0.98	1.00	-0.39	0.69	-0.93
Speaker ID	(Intercept)	6282	79.26					
Residual		24780	157.42					

Number of obs: 936, groups: Listener ID, 39; Speaker ID, 24

Fixed effects:

	Estimate	Std. Error	t value
(Intercept)	267.15	58.87	4.538
AccentGA	-207.39	69.11	-3.001
AccentNE	143.21	64.98	2.204
AccentSA	-77.56	63.07	-1.230
AccentSC	161.36	62.33	2.589
AccentSE	-185.94	68.82	-2.702
GroupUNI	160.17	61.78	2.593
ListenerSexmale	106.81	31.53	3.387
AccentGA:GroupUNI	-168.44	57.93	-2.908
AccentNE:GroupUNI	-77.04	47.10	-1.636
AccentSA:GroupUNI	-105.11	41.45	-2.536
AccentSC:GroupUNI	-75.67	39.08	-1.936
AccentSE:GroupUNI	-203.96	57.23	-3.564

## Appendix 5: The final model for pleasantness

Linear mixed model fit by maximum likelihood [lmerMod]

Formula: Pleasantness ~ Accent + Order + `Contact Multiple` + `Pronunciation Importance` + (1 | `Speaker ID`) + (1 + Accent | `Listener ID`)

Scaled residuals:

Min	1Q	Median	3Q	Max
-3.5417	-0.6356	-0.0575	0.6380	3.2940

Random effects:

Groups	Name	Variance	Std.Dev	Corr				
Listener ID	(Intercept)	15144	123.06					
	AccentGA	12205	110.48	-0.75				
	AccentNE	25023	158.19	-0.38	0.28			
	AccentSA	2114	45.97	0.25	0.39	-0.42		
	AccentSC	22328	149.43	-0.33	0.05	0.94	-0.60	
	AccentSE	21643	147.12	-0.85	0.94	0.45	0.09	0.22
Speaker ID	(Intercept)	5333	73.03					
Residual		30839	175.61					

Number of obs: 936, groups: Listener ID, 39; Speaker ID, 24

Fixed effects:

	Estimate	Std. Error	t value
(Intercept)	475.327	51.459	9.237
AccentGA	-229.949	58.095	-3.958
AccentNE	-17.083	60.858	-0.281
AccentSA	-14.417	55.823	-0.258
AccentSC	-22.949	60.287	-0.381
AccentSE	-297.776	60.141	-4.951
OrderBA	-67.386	26.129	-2.579
`Contact Multiple`yes	-55.810	26.915	-2.074
`Pronunciation Importance`	25.715	9.137	92.815

## Appendix 6: The final model for socioeconomic status

Linear mixed model fit by maximum likelihood [lmerMod]

Formula: `Social Status` ~ Accent \* Group + (1 | `Speaker ID`) + (1 + Accent | `Listener ID`)

Scaled residuals:

Min	1Q	Median	3Q	Max
-4.1333	-0.6235	0.0255	0.6246	3.5199

Random effects:

Groups	Name	Variance	Std.Dev.	Corr				
Listener ID	(Intercept)	9957.5	99.79					
	AccentGA	3279.8	57.27	-0.78				
	AccentNE	486.2	22.05	-0.27	-0.31			
	AccentSA	1604.6	40.06	-0.78	0.99	-0.23		
	AccentSC	5084.1	71.30	-0.79	0.42	0.73	0.50	
	AccentSE	9967.6	99.84	-0.68	0.94	-0.53	0.89	0.15
Speaker ID	(Intercept)	5317.2	72.92					
Residual		24906.9	157.82					

Number of obs: 936, groups: Listener ID, 39; Speaker ID, 24

Fixed effects:

	Estimate	Std. Error	t value
(Intercept)	458.44	46.24	9.913
AccentGA	-160.34	58.70	-2.732
AccentNE	98.15	57.49	1.707
AccentSA	13.41	57.98	0.231
AccentSC	168.70	59.46	2.837
AccentSE	-145.85	61.48	-2.372
GroupUNI	84.44	40.76	2.072
AccentGA:GroupUNI	-59.69	40.18	-1.485
AccentNE:GroupUNI	-12.97	36.44	-0.356
AccentSA:GroupUNI	20.31	37.98	0.535
AccentSC:GroupUNI	-133.91	42.43	-3.156
AccentSE:GroupUNI	-160.37	47.97	-3.343

## Appendix 7: The final model for model suitability

Linear mixed model fit by maximum likelihood [lmerMod]

Formula: `Model Suitability` ~ Accent \* Group + (1 | `Speaker ID`) + (1 + Accent | `Listener ID`)

Scaled residuals:

Min	1Q	Median	3Q	Max
-4.3394	-0.6023	-0.0249	0.6190	3.6862

Random effects:

Groups	Name	Variance	Std.Dev.	Corr				
Listener ID	(Intercept)	16998	130.37					
	AccentGA	11304	106.32	-0.75				
	AccentNE	7987	89.37	0.29	-0.47			
	AccentSA	6069	77.90	-0.04	0.64	-0.06		
	AccentSC	4845	69.61	0.31	-0.79	0.79	-0.65	
	AccentSE	15569	124.78	-0.84	0.95	-0.21	0.56	-0.56
Speaker ID	(Intercept)	9404	96.97					
Residual		30381	174.30					

Number of obs: 936, groups: Listener ID, 39; Speaker ID, 24

Fixed effects:

	Estimate	Std. Error	t value
(Intercept)	456.55	59.84	7.630
AccentGA	-300.79	77.63	-3.875
AccentNE	187.69	76.56	2.452
AccentSA	-51.14	75.93	-0.674
AccentSC	213.31	75.52	2.824
AccentSE	-290.07	78.99	-3.672
GroupUNI	132.19	50.24	2.631
AccentGA:GroupUNI	-128.02	52.15	-2.455
AccentNE:GroupUNI	-95.23	48.77	-1.952
AccentSA:GroupUNI	-62.47	46.71	-1.337
AccentSC:GroupUNI	-119.43	45.35	-2.634
AccentSE:GroupUNI	-218.56	56.19	-3.890