

Ground truth

/sil/	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan
/a/	0.6	45.6	3.7	4.2	1.9	0.1	0.1	0.0	0.5	0.1	30.1	0.4	0.1	0.2	2.2	2.6	1.8	1.2	0.6	0.4	0.3	0.3	0.3	0.2	0.1	0.2	0.6	0.1	0.9	0.6	0.3	
/Ê/	2.4	4.0	53.3	13.1	0.3	0.1	1.5	1.5	0.0	0.7	7.2	0.1	0.4	1.0	3.1	0.9	1.8	0.8	0.4	0.4	0.6	0.5	0.2	0.3	0.3	0.2	0.7	0.4	0.7	2.2	0.6	
/Û/	2.5	3.6	6.7	51.7	5.0	0.7	1.8	0.3	0.4	0.3	8.1	0.4	0.3	0.6	4.9	1.9	2.8	1.7	0.5	0.1	0.3	0.1	0.6	0.6	0.8	0.2	0.4	0.1	0.8	1.5	0.3	
/Ô/	0.3	2.5	0.5	13.3	48.3	2.7	0.2	0.1	3.5	5.0	7.4	3.2	0.1	0.0	1.6	3.2	1.9	2.4	0.3	0.0	0.0	0.1	1.7	0.1	0.2	0.0	0.0	0.0	0.6	0.5	0.1	
/u/	0.9	0.4	0.2	18.2	9.1	38.3	2.2	0.7	0.2	2.2	1.4	3.8	0.2	0.2	2.9	1.0	6.2	3.3	0.9	0.4	0.7	0.2	0.5	0.3	0.2	0.1	0.1	0.0	3.2	1.8	0.1	
/y/	0.4	0.1	7.5	11.9	0.1	0.8	39.8	2.6	0.0	0.3	0.4	0.0	4.5	1.6	11.2	0.0	5.6	2.6	2.6	0.0	0.1	0.3	0.5	1.6	0.5	0.0	0.0	0.0	0.7	2.5	1.6	
/i/	1.8	0.1	19.7	4.9	0.5	0.3	7.6	33.3	0.0	0.6	0.3	0.2	0.4	2.2	9.2	0.3	6.1	0.7	4.1	0.1	0.5	0.1	0.6	0.9	0.3	0.1	0.5	0.0	0.4	3.2	0.8	
/ã/	0.4	15.3	1.6	5.2	6.8	0.7	0.2	0.1	13.1	2.8	31.3	0.5	0.1	0.2	3.1	2.5	7.6	2.6	1.6	0.2	0.3	0.2	0.4	1.3	0.5	0.1	0.1	0.0	0.4	0.5	0.4	
/ĩ/	0.1	1.4	0.3	11.7	16.3	2.3	0.0	0.1	11.1	16.9	12.5	1.3	0.0	0.0	2.3	1.3	5.9	5.6	1.1	0.1	0.6	0.5	1.5	2.8	1.2	0.1	0.3	0.0	0.6	2.1	0.0	
/µ/	0.9	6.2	19.4	8.0	0.5	0.0	0.5	0.4	0.1	1.4	45.2	0.2	0.1	0.4	2.1	1.0	5.5	2.6	0.9	0.0	0.1	0.2	1.0	0.6	0.7	0.0	0.0	0.1	0.2	1.4	0.0	
/w/	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan	nan
/ɥ/	0.0	0.0	0.0	36.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.4	0.0	27.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
/j/	0.1	0.6	24.0	8.0	0.2	0.0	5.9	8.1	0.0	0.1	3.8	0.4	2.5	27.0	5.4	1.3	1.2	0.4	1.4	0.0	0.4	0.2	0.0	0.5	0.1	0.1	3.2	0.9	0.7	2.7	0.9	
/l/	1.1	2.2	6.3	14.2	1.0	0.8	4.0	1.5	0.1	0.2	2.1	0.7	1.2	3.4	42.1	1.0	5.7	2.1	1.7	0.0	0.2	0.2	0.3	2.1	0.5	0.1	0.3	0.2	0.9	3.0	0.7	
/ʁ/	4.3	4.9	3.3	10.0	3.2	0.2	0.4	0.4	1.9	0.9	11.2	0.9	0.3	0.3	1.4	43.9	1.2	1.0	0.3	0.4	0.8	0.8	0.3	0.9	0.5	0.4	0.7	0.1	1.7	3.3	0.3	
/n/	0.4	0.8	2.5	7.3	1.5	0.7	1.8	1.4	0.0	0.7	2.6	0.2	0.9	0.8	9.3	0.4	48.4	9.2	7.0	0.0	0.1	0.0	0.4	1.6	0.7	0.0	0.0	0.0	0.3	0.8	0.1	
/m/	0.6	1.4	1.7	3.7	0.8	0.3	0.6	0.1	0.2	0.5	2.3	0.5	0.8	0.2	4.3	0.4	12.6	64.0	0.4	0.2	0.0	0.0	2.3	0.7	0.3	0.2	0.1	0.0	0.6	0.4	0.0	
/ɲ/	0.5	2.2	1.9	7.3	0.5	0.1	2.4	1.5	0.1	0.7	5.8	0.2	0.3	1.6	5.5	1.0	17.1	1.9	44.3	0.0	0.1	0.1	0.1	1.1	2.5	0.0	0.0	0.0	0.0	0.7	0.3	
/p/	7.2	1.5	2.1	2.7	0.2	0.5	0.2	0.0	0.3	0.1	3.6	0.2	0.2	0.2	1.3	1.0	1.4	1.1	0.3	49.3	8.2	2.9	3.1	1.0	0.6	2.4	0.7	0.0	3.3	4.0	0.2	
/t/	7.9	0.9	2.3	2.5	0.3	0.7	0.4	0.5	0.1	0.2	2.5	0.2	0.1	0.9	3.0	1.0	2.2	0.8	0.5	3.0	41.9	6.1	0.4	4.1	0.9	0.8	6.1	0.3	0.9	7.9	0.8	
/k/	8.0	2.0	2.3	1.4	0.9	0.3	0.4	0.4	0.1	0.1	4.1	0.9	0.1	1.1	3.0	7.4	0.5	0.1	0.2	1.3	5.2	38.3	0.0	0.2	2.6	2.5	6.5	0.8	0.7	7.9	0.6	
/b/	0.8	0.4	1.2	3.1	1.8	0.2	0.2	0.2	0.1	0.1	1.1	0.8	0.4	0.0	1.4	0.4	4.7	17.8	0.0	0.7	0.4	0.2	53.2	3.7	0.8	0.2	0.1	0.0	3.9	2.5	0.0	
/d/	0.8	1.0	2.4	6.1	0.4	0.2	1.0	0.5	0.3	0.3	2.2	0.1	0.6	2.1	9.5	1.1	11.7	2.6	2.7	0.2	1.3	0.3	3.4	36.7	3.5	0.1	0.5	0.0	2.0	5.3	1.0	
/g/	1.3	0.7	5.9	8.0	1.5	0.6	1.5	0.0	0.2	0.2	2.6	0.5	0.8	3.9	4.2	4.9	5.7	1.2	0.5	0.1	0.1	0.5	1.7	5.5	40.1	0.0	0.0	0.0	3.6	3.7	0.6	
/f/	4.6	1.3	0.4	3.8	0.4	0.1	0.0	0.0	0.0	0.0	6.7	0.7	0.0	0.0	0.8	1.1	1.4	0.7	0.1	1.6	3.0	0.8	0.4	0.2	0.2	35.0	19.9	0.0	8.7	7.8	0.3	
/s/	8.8	0.5	2.5	1.9	0.4	0.1	0.4	0.3	0.1	0.2	1.8	0.1	0.2	1.5	1.2	0.5	0.3	0.1	0.1	0.1	1.9	1.2	0.0	0.3	0.1	2.7	60.2	1.9	0.7	9.1	0.8	
/ʃ/	2.4	0.3	3.2	0.8	0.2	0.0	0.8	0.7	0.0	0.2	0.7	0.0	0.7	6.4	1.6	0.2	0.4	0.0	0.0	0.0	0.6	1.1	0.0	0.0	0.0	2.2	29.5	36.1	0.4	7.2	4.2	
/v/	2.2	1.2	2.9	8.8	0.5	1.9	0.5	0.2	0.1	0.2	2.2	1.4	1.0	0.3	3.5	2.7	3.6	4.5	0.1	0.3	0.2	0.1	3.5	2.8	1.0	0.6	0.8	0.1	44.5	8.2	0.2	
/z/	8.4	0.4	1.8	5.5	0.3	0.5	1.5	1.8	0.4	0.1	3.6	0.5	0.1	0.5	1.4	2.3	0.8	2.5	0.8	0.4	1.1	0.6	0.8	0.1	1.0	1.0	15.6	2.7	1.8	39.5	2.3	
/ʒ/	0.6	1.4	4.6	5.6	0.5	0.3	2.0	0.9	0.2	0.1	4.6	0.0	0.9	3.1	2.2	0.7	0.9	0.4	0.6	0.0	0.0	0.0	0.0	0.2	0.8	0.2	0.6	1.4	4.9	23.3	38.8	
/sil/	/a/	/Ê/	/Û/	/Ô/	/u/	/y/	/i/	/ã/	/ĩ/	/µ/	/w/	/ɥ/	/j/	/l/	/ʁ/	/n/	/m/	/ɲ/	/p/	/t/	/k/	/b/	/d/	/g/	/f/	/s/	/ʃ/	/v/	/z/	/ʒ/		

Predicted labels