

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/	0.8	46.3	3.3	4.9	1.2	0.0	0.1	0.0	0.7	0.1	31.7	0.4	0.1	0.2	1.9	1.8	1.8	1.0	0.6	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.3	0.1	0.6	0.4	0.3	
/Ê/	2.5	3.7	52.2	14.7	0.2	0.1	1.2	1.8	0.1	0.7	8.0	0.1	0.3	1.2	2.9	0.6	1.9	1.0	0.6	0.3	0.6	0.4	0.2	0.3	0.2	0.3	0.7	0.4	0.8	1.7	0.4	
/Û/	2.6	3.6	5.9	54.7	4.2	0.7	1.4	0.3	0.4	0.3	8.6	0.5	0.2	0.7	4.4	1.3	2.5	1.7	0.7	0.1	0.3	0.1	0.4	0.7	0.6	0.2	0.3	0.1	0.8	1.4	0.3	
/Ô/	0.3	3.7	0.3	13.1	42.6	3.3	0.1	0.1	6.7	5.4	8.9	3.7	0.0	0.0	1.2	3.1	1.3	1.9	0.2	0.0	0.0	0.2	2.4	0.2	0.2	0.0	0.0	0.0	0.6	0.4	0.0	
/u/	0.9	0.4	0.2	17.8	5.8	42.8	2.0	0.8	0.4	2.7	1.8	4.1	0.3	0.2	2.7	0.8	4.4	3.3	0.3	0.2	0.6	0.1	0.7	0.2	0.3	0.0	0.2	0.0	3.8	1.8	0.1	
/y/	0.7	0.2	7.0	15.2	0.1	0.5	39.2	2.9	0.0	0.0	0.5	0.0	3.8	1.3	11.2	0.3	4.4	2.5	1.7	0.0	0.0	0.2	0.5	1.4	1.1	0.2	0.0	0.0	0.7	3.3	1.0	
/i/	1.8	0.1	18.6	5.7	0.3	0.5	6.8	36.0	0.0	0.6	0.5	0.3	0.7	2.3	8.2	0.3	6.1	0.7	3.7	0.0	0.7	0.0	0.4	1.1	0.4	0.1	0.5	0.0	0.3	2.4	0.8	
/ã/	0.4	16.0	1.2	5.4	4.6	0.7	0.2	0.1	16.9	2.8	31.3	0.7	0.0	0.1	2.6	2.2	7.3	2.1	1.5	0.2	0.2	0.1	0.4	1.3	0.3	0.1	0.1	0.0	0.3	0.4	0.4	
/ĩ/	0.2	1.3	0.2	11.8	12.8	2.3	0.1	0.0	16.3	16.5	11.6	1.1	0.0	0.4	2.1	1.7	5.6	6.3	1.2	0.1	0.3	0.2	1.6	2.4	0.9	0.1	0.5	0.1	0.7	1.4	0.0	
/µ/	1.0	6.1	17.3	7.8	0.3	0.0	0.3	0.3	0.2	1.2	49.5	0.2	0.0	0.5	1.5	0.5	6.0	2.1	1.0	0.0	0.4	0.2	0.6	0.5	0.7	0.0	0.0	0.0	0.3	1.1	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/	27.3	0.0	0.0	18.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	0.0	45.5	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/	0.2	0.8	18.9	8.0	0.2	0.1	5.1	8.4	0.0	0.0	3.7	0.0	2.1	30.8	4.0	1.6	2.1	0.3	2.9	0.0	0.3	0.1	0.0	0.4	0.2	0.1	3.5	1.1	0.4	3.1	1.6	
/l/	1.3	1.7	5.4	16.0	0.6	0.9	3.4	1.9	0.1	0.3	2.3	0.7	0.9	3.1	42.5	0.8	5.1	2.2	1.7	0.1	0.2	0.2	0.4	2.2	0.4	0.2	0.3	0.1	0.8	3.3	0.7	
/ʁ/	4.4	5.6	3.1	10.4	2.3	0.3	0.3	0.2	2.4	1.0	11.6	0.9	0.3	0.3	1.4	42.7	1.0	0.6	0.5	0.6	1.1	0.9	0.3	0.6	0.7	0.4	0.8	0.1	1.6	3.2	0.3	
/n/	0.4	0.6	1.8	8.2	1.1	0.7	1.4	1.6	0.1	0.6	2.9	0.3	0.7	1.0	8.2	0.4	48.0	10.7	7.5	0.0	0.0	0.0	0.6	1.4	0.5	0.0	0.0	0.0	0.4	0.8	0.1	
/m/	0.6	1.1	1.1	3.7	0.5	0.2	0.4	0.1	0.2	0.3	2.6	0.5	0.3	0.1	4.0	0.6	11.5	67.4	0.6	0.1	0.0	0.0	2.2	0.7	0.2	0.1	0.1	0.0	0.4	0.4	0.0	
/ɲ/	0.5	2.1	1.4	6.5	0.4	0.5	1.4	1.0	0.0	0.3	6.0	0.8	0.2	0.3	5.9	0.8	16.0	2.0	49.3	0.0	0.0	0.3	0.2	1.7	1.9	0.0	0.0	0.0	0.0	0.5	0.1	
/p/	6.8	1.3	1.8	2.3	0.2	0.8	0.2	0.1	0.2	0.1	3.1	0.3	0.2	0.1	1.2	0.6	0.9	1.1	0.4	52.1	9.0	2.1	2.9	1.2	0.6	2.3	0.8	0.1	3.9	3.2	0.1	
/t/	7.1	0.8	2.1	2.0	0.2	0.7	0.2	0.4	0.2	0.2	3.1	0.1	0.1	0.7	2.9	0.6	2.2	0.7	0.6	2.1	44.5	6.8	0.5	4.6	0.9	1.0	6.1	0.2	1.1	6.4	1.0	
/k/	8.4	1.2	2.2	1.8	0.3	0.0	0.4	0.5	0.3	0.1	4.3	0.7	0.0	0.9	2.8	6.1	0.4	0.2	0.4	1.0	4.3	42.4	0.0	0.1	2.8	3.0	6.3	0.8	1.0	6.6	0.6	
/b/	1.0	0.3	0.8	3.3	0.6	0.1	0.1	0.2	0.0	0.0	1.4	0.7	0.5	0.0	1.4	0.2	4.0	16.9	0.0	0.9	0.2	0.1	56.6	3.4	0.7	0.2	0.1	0.0	4.7	1.7	0.0	
/d/	0.9	0.8	1.6	5.3	0.4	0.2	0.8	0.4	0.3	0.4	2.2	0.1	0.4	2.5	9.6	1.0	11.6	2.4	2.3	0.2	1.6	0.2	3.6	39.5	2.5	0.0	0.5	0.0	2.4	5.6	0.8	
/g/	1.5	1.2	2.9	9.2	1.6	0.0	0.7	0.3	0.2	0.0	2.2	0.4	0.4	5.4	4.0	3.2	5.0	1.2	0.6	0.1	0.3	0.7	2.1	4.7	42.7	0.0	0.2	0.0	3.5	4.8	1.0	
/f/	3.6	1.1	0.3	3.7	0.2	0.0	0.0	0.2	0.2	0.0	5.6	0.5	0.0	0.0	0.7	1.3	2.3	0.7	0.1	2.2	2.2	0.8	0.4	0.9	0.3	36.6	23.4	0.1	7.7	5.2	0.0	
/s/	7.6	0.6	1.7	1.3	0.2	0.1	0.2	0.4	0.1	0.1	2.2	0.1	0.2	1.1	1.0	0.3	0.3	0.1	0.1	0.1	1.8	1.7	0.0	0.2	0.1	3.2	64.2	2.2	0.7	7.1	0.9	
/ʃ/	2.5	0.0	3.4	0.5	0.2	0.2	0.1	1.0	0.0	0.2	1.1	0.1	0.4	5.4	1.4	0.0	0.1	0.0	0.1	0.0	0.6	1.3	0.0	0.0	0.0	2.4	28.5	39.4	0.6	5.1	5.1	
/v/	2.0	1.5	2.1	7.8	0.4	1.1	0.2	0.2	0.3	0.2	2.4	1.3	0.5	0.3	4.0	1.8	3.1	4.5	0.2	0.2	0.3	0.1	3.2	3.3	0.7	1.1	0.9	0.2	48.9	7.1	0.1	
/z/	10.6	0.3	2.1	6.9	0.0	0.5	0.4	1.5	0.4	0.0	2.6	0.5	0.0	0.8	1.0	1.8	2.2	1.9	0.5	0.0	1.7	1.0	0.9	0.3	1.4	0.9	16.0	2.1	1.7	37.8	2.3	
/ʒ/	0.5	0.8	4.1	6.3	0.5	0.2	1.5	1.3	0.2	0.1	4.1	0.0	1.0	3.7	2.2	0.4	0.6	0.4	0.8	0.0	0.0	0.0	0.0	0.2	0.5	0.1	0.4	1.4	5.4	24.1	39.2	
/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