

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	47.4	3.1	5.9	2.0	0.1	0.1	0.0	0.6	0.1	26.8	0.4	0.1	0.2	2.5	2.7	1.8	1.2	0.6	0.4	0.3	0.2	0.3	0.2	0.1	0.2	0.5	0.1	0.8	0.5	0.3	
/Ê/	2.4	4.4	50.1	15.4	0.4	0.1	1.3	1.7	0.1	0.7	6.7	0.2	0.3	0.9	4.5	0.9	1.7	0.7	0.4	0.5	0.7	0.5	0.2	0.3	0.2	0.2	0.8	0.4	0.7	2.0	0.6	
/Û/	2.5	3.9	5.3	54.6	5.2	0.6	1.5	0.2	0.4	0.4	6.5	0.5	0.3	0.5	6.1	1.8	2.6	1.7	0.4	0.1	0.3	0.1	0.5	0.5	0.7	0.2	0.4	0.1	0.5	1.3	0.3	
/Ô/	0.3	2.5	0.1	14.7	47.0	2.8	0.3	0.0	3.7	6.0	6.1	3.9	0.0	0.0	1.9	3.5	1.8	2.4	0.3	0.0	0.0	0.2	1.5	0.2	0.2	0.0	0.0	0.0	0.3	0.3	0.0	
/u/	1.0	0.5	0.1	19.1	9.1	35.4	2.3	0.6	0.3	2.4	1.1	4.8	0.1	0.1	4.4	1.0	6.5	4.2	0.7	0.3	0.6	0.2	0.7	0.2	0.2	0.1	0.1	0.0	2.2	1.5	0.1	
/y/	0.5	0.1	7.3	13.7	0.2	0.5	36.8	2.8	0.0	0.2	0.5	0.0	2.9	1.6	13.8	0.1	5.6	4.0	1.9	0.0	0.0	0.3	0.5	1.5	0.7	0.0	0.0	0.0	0.6	2.7	1.1	
/i/	1.8	0.2	19.2	5.5	0.6	0.3	6.4	33.0	0.0	0.5	0.4	0.2	0.5	2.1	12.1	0.3	6.1	0.9	3.7	0.1	0.5	0.2	0.5	1.0	0.2	0.0	0.6	0.0	0.2	2.3	0.6	
/ã/	0.3	15.4	1.2	5.7	7.1	0.5	0.2	0.1	14.3	2.5	29.5	0.8	0.0	0.1	3.8	2.7	7.7	2.2	1.3	0.2	0.5	0.2	0.4	1.4	0.4	0.1	0.1	0.0	0.3	0.4	0.6	
/ĩ/	0.2	1.5	0.1	11.7	15.9	2.4	0.0	0.1	13.7	15.4	11.0	1.6	0.0	0.1	3.0	1.4	5.3	5.9	1.3	0.2	0.8	0.3	1.2	2.7	1.1	0.1	0.2	0.0	0.6	2.2	0.0	
/µ/	0.9	7.6	16.9	10.4	0.7	0.0	0.5	0.2	0.0	1.5	43.6	0.3	0.0	0.4	2.6	1.3	5.6	2.6	1.0	0.0	0.2	0.1	0.9	0.6	0.7	0.0	0.0	0.1	0.2	1.0	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	18.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.3	0.0	45.5	0.0	9.1	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	0.7	20.8	9.9	0.4	0.0	4.8	7.4	0.0	0.0	3.6	0.6	2.1	30.3	5.7	1.3	1.5	0.5	1.5	0.0	0.3	0.2	0.0	0.4	0.1	0.0	3.2	0.9	0.7	2.3	0.7	
/l/	1.1	2.2	5.3	15.1	0.9	0.6	3.4	1.5	0.1	0.2	1.7	0.8	0.7	3.0	45.4	1.0	5.0	2.3	1.5	0.1	0.2	0.3	0.4	2.2	0.4	0.1	0.2	0.2	0.8	2.5	0.8	
/ʁ/	4.0	4.8	3.1	11.4	3.3	0.2	0.4	0.4	1.9	0.8	9.8	1.0	0.3	0.3	1.9	45.3	1.1	0.9	0.3	0.3	0.9	0.8	0.3	0.8	0.4	0.3	0.7	0.1	1.3	2.6	0.3	
/n/	0.5	0.8	1.9	8.3	1.3	0.5	1.5	1.3	0.0	0.7	2.3	0.4	0.7	0.7	10.2	0.4	46.9	11.3	6.6	0.0	0.0	0.0	0.4	1.6	0.5	0.0	0.0	0.0	0.3	0.8	0.1	
/m/	0.6	1.4	1.4	4.4	0.7	0.2	0.6	0.1	0.2	0.5	2.3	0.8	0.6	0.1	4.4	0.4	11.6	64.6	0.4	0.2	0.1	0.0	2.3	0.7	0.3	0.1	0.1	0.0	0.5	0.3	0.0	
/ɲ/	0.5	2.0	1.6	8.3	0.2	0.5	1.6	1.5	0.1	0.5	4.9	0.8	0.0	0.8	6.9	1.0	17.1	3.2	43.0	0.0	0.2	0.0	0.4	1.6	2.0	0.0	0.0	0.0	0.0	0.7	0.3	
/p/	7.1	1.6	1.9	2.6	0.3	0.5	0.3	0.0	0.2	0.1	3.5	0.5	0.3	0.1	1.5	1.6	1.1	1.2	0.2	50.2	8.8	2.6	2.2	1.2	0.4	2.6	1.0	0.0	2.7	3.4	0.2	
/t/	7.9	1.0	2.2	2.5	0.3	0.7	0.4	0.4	0.1	0.1	2.4	0.2	0.1	0.9	3.3	1.0	1.9	0.9	0.3	2.7	43.2	6.2	0.3	4.2	0.8	0.7	6.9	0.3	0.8	6.4	0.9	
/k/	8.2	2.2	1.9	1.7	1.1	0.3	0.4	0.3	0.2	0.1	3.3	0.9	0.1	1.1	3.1	7.7	0.4	0.2	0.1	1.1	6.0	40.6	0.0	0.1	1.6	2.0	6.9	1.1	0.4	6.5	0.4	
/b/	0.8	0.2	1.2	3.4	1.8	0.1	0.1	0.3	0.1	0.1	0.9	0.9	0.5	0.0	1.9	0.5	4.0	18.4	0.2	0.9	0.3	0.2	52.8	4.1	1.3	0.1	0.1	0.0	3.2	1.8	0.0	
/d/	1.0	1.0	2.4	5.9	0.4	0.2	1.0	0.3	0.3	0.3	1.7	0.2	0.5	2.3	11.3	1.2	11.4	3.0	2.2	0.2	1.3	0.2	3.1	37.9	2.8	0.0	0.5	0.0	1.9	4.9	0.8	
/g/	1.1	0.8	4.6	9.3	1.5	0.7	1.1	0.3	0.2	0.2	1.9	0.4	0.6	3.9	5.7	5.8	5.3	1.2	0.6	0.1	0.4	0.7	1.5	4.4	40.9	0.0	0.0	0.0	2.7	3.3	0.7	
/f/	4.5	1.4	0.3	3.2	0.4	0.0	0.0	0.2	0.2	0.0	6.5	0.9	0.2	0.0	0.3	2.2	1.3	0.9	0.0	2.0	3.5	0.8	0.3	0.2	0.3	33.2	24.9	0.0	6.9	5.5	0.1	
/s/	8.1	0.6	2.7	1.8	0.5	0.1	0.3	0.4	0.1	0.2	1.5	0.3	0.3	1.3	1.5	0.6	0.2	0.1	0.1	0.1	1.6	1.3	0.0	0.2	0.1	2.2	63.0	2.6	0.6	6.9	0.6	
/ʃ/	2.0	0.4	3.7	0.9	0.0	0.0	1.1	1.0	0.0	0.1	0.7	0.1	0.8	5.2	1.8	0.1	0.2	0.0	0.0	0.0	0.8	1.1	0.0	0.0	0.0	1.1	29.0	39.1	0.5	6.0	4.0	
/v/	2.2	1.2	3.1	10.7	0.5	2.1	0.5	0.1	0.2	0.2	1.9	1.7	0.9	0.5	4.5	2.6	3.1	4.5	0.2	0.4	0.2	0.0	3.4	3.2	0.9	0.8	0.7	0.3	41.0	8.0	0.2	
/z/	9.8	0.1	1.3	6.5	0.0	0.1	1.4	1.7	0.6	0.1	2.5	1.1	0.0	0.6	2.3	2.5	1.3	2.0	0.3	0.3	1.8	0.8	1.0	0.6	0.8	0.3	15.8	2.5	2.0	37.6	2.3	
/ʒ/	0.9	0.9	5.1	5.6	0.5	0.2	2.2	1.6	0.1	0.1	4.3	0.0	0.7	3.5	4.2	1.0	1.0	0.4	0.2	0.0	0.0	0.0	0.0	0.1	0.6	0.4	0.6	1.3	4.1	23.5	36.7	
/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