

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/	0.3	85.0	3.4	0.6	0.8	0.0	0.1	0.0	0.2	0.0	0.8	1.2	0.0	0.3	1.5	0.7	0.4	0.6	0.3	0.5	0.2	0.3	0.3	0.2	0.1	0.3	0.2	0.0	0.8	0.7	0.4	
/Ê/	0.9	1.5	84.0	1.5	0.1	0.0	0.5	0.5	0.1	0.0	0.5	0.0	0.1	0.5	1.5	1.2	0.7	0.4	0.3	0.4	0.8	0.2	0.2	1.0	0.2	0.2	0.6	0.3	0.2	0.7	0.9	
/Û/	0.2	0.7	2.2	81.4	2.9	0.1	0.2	0.4	0.0	0.0	0.3	0.1	0.2	0.5	1.5	1.3	1.6	1.0	0.0	0.3	0.6	0.5	0.1	0.5	0.1	0.4	0.3	0.5	0.9	0.6	0.8	
/Ô/	0.1	0.7	0.4	4.0	85.5	0.7	0.0	0.1	0.7	0.2	0.0	1.0	0.0	0.3	0.3	1.0	0.4	0.5	0.1	0.8	0.4	0.4	0.3	0.2	0.0	0.3	0.1	0.6	0.3	0.4	0.4	
/u/	0.1	0.0	0.2	0.6	7.0	81.6	0.3	0.1	0.1	0.1	0.1	2.2	0.0	0.1	0.1	1.2	0.3	0.2	0.0	1.0	0.5	0.4	0.4	0.5	0.1	0.3	0.2	0.2	1.1	0.2	0.7	
/y/	0.1	0.0	1.1	1.4	0.1	0.4	84.1	0.6	0.0	0.0	0.1	0.1	2.7	2.1	0.7	0.7	0.6	0.4	0.3	0.2	0.2	0.4	0.3	0.7	0.4	0.3	0.6	0.1	0.3	0.3	0.8	
/i/	0.0	0.1	3.3	0.1	0.1	0.0	0.4	79.8	0.0	0.0	0.0	0.0	0.9	3.1	1.7	0.6	0.7	0.6	0.6	0.2	0.7	1.0	0.3	0.6	0.0	0.7	1.0	0.5	0.8	1.5	0.7	
/ã/	0.1	0.3	0.3	0.0	1.2	0.0	0.1	0.0	89.6	0.4	0.7	0.3	0.0	0.1	0.5	0.8	0.2	0.9	0.1	0.2	0.7	0.6	0.4	0.3	0.3	0.1	0.3	0.3	0.5	0.3	0.5	
/ĩ/	0.1	0.1	0.1	0.1	1.1	0.1	0.1	0.0	16.1	75.2	0.1	0.0	0.0	0.5	0.4	0.5	0.6	0.6	0.0	0.3	0.5	0.6	0.6	0.7	0.3	0.3	0.4	0.0	0.2	0.5	0.1	
/µ/	0.1	4.7	1.4	0.6	0.2	0.0	0.0	0.0	1.0	0.0	86.8	0.2	0.1	0.3	0.2	0.5	0.5	0.4	0.2	0.1	0.3	0.5	0.2	0.1	0.1	0.1	0.1	0.0	0.5	0.3	0.3	
/w/	0.0	0.7	0.0	0.4	1.2	0.7	0.2	0.0	0.4	0.5	0.1	92.0	0.3	0.0	0.3	0.7	0.1	0.2	0.0	0.1	0.1	0.3	0.1	0.2	0.1	0.1	0.1	0.3	0.5	0.0	0.3	
/ɥ/	0.0	0.0	0.4	0.1	0.0	0.0	3.6	0.5	0.0	0.0	0.1	0.4	91.0	0.5	1.0	0.0	0.1	0.0	0.2	0.3	0.0	0.1	0.0	0.4	0.0	0.3	0.2	0.1	0.0	0.2	0.4	
/j/	0.0	0.5	2.2	1.0	0.3	0.0	0.7	3.0	0.3	0.1	0.5	0.0	0.1	87.1	0.5	0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.3	0.0	0.2	0.9	0.5	0.3	0.3	0.3	
/l/	0.1	0.6	1.4	1.4	0.5	0.1	0.3	1.4	0.2	0.0	0.2	0.1	0.8	0.3	89.0	0.1	0.4	0.1	0.0	0.5	0.2	0.2	0.4	0.6	0.1	0.1	0.3	0.1	0.0	0.1	0.3	
/ʁ/	0.1	2.1	2.0	2.0	1.0	0.4	0.4	0.3	0.7	0.0	0.1	0.2	0.1	0.1	0.2	86.2	0.1	0.2	0.3	0.4	0.7	0.2	0.5	0.3	0.2	0.1	0.1	0.1	0.1	0.5	0.1	
/n/	0.1	0.4	0.8	0.6	0.8	0.3	0.1	0.9	0.4	0.2	0.3	0.1	0.0	0.0	1.4	0.3	86.2	0.6	4.0	0.0	0.0	0.1	0.2	1.5	0.1	0.0	0.0	0.2	0.0	0.0	0.2	
/m/	0.0	0.1	0.3	0.5	0.4	0.1	0.2	0.2	0.2	0.0	0.1	0.2	0.0	0.1	0.3	0.0	0.8	95.0	0.0	0.0	0.0	0.0	0.7	0.3	0.0	0.0	0.0	0.1	0.2	0.0	0.0	
/ɲ/	0.0	0.4	0.3	0.3	0.1	0.0	0.3	0.9	0.1	0.0	0.4	0.0	0.1	0.5	0.0	0.2	4.9	0.1	90.4	0.0	0.0	0.1	0.2	0.1	0.6	0.1	0.0	0.0	0.0	0.0	0.0	
/p/	0.4	0.5	0.6	0.5	0.3	0.3	0.1	0.1	0.2	0.1	0.2	0.1	0.3	0.0	0.4	0.5	0.1	0.0	0.0	93.4	0.5	0.2	0.6	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.1	
/t/	0.7	0.5	1.2	0.6	0.5	0.5	0.4	0.8	0.6	0.1	0.4	0.0	0.1	0.1	0.1	0.5	0.2	0.1	0.0	0.6	87.8	0.7	0.1	1.0	0.0	0.0	1.6	0.6	0.1	0.1	0.1	
/k/	0.2	0.8	1.0	0.5	0.6	0.1	0.3	0.6	0.2	0.1	0.3	0.0	0.0	0.2	0.1	0.7	0.1	0.1	0.1	0.1	0.6	91.3	0.0	0.0	0.9	0.0	0.5	0.4	0.0	0.1	0.0	
/b/	0.1	0.3	0.4	0.3	0.3	0.2	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.1	0.4	0.3	0.1	0.5	0.0	0.9	0.1	0.0	94.5	0.6	0.1	0.0	0.0	0.1	0.3	0.1	0.0	
/d/	0.1	0.2	2.0	1.9	0.2	0.1	0.4	0.3	0.4	0.3	1.0	0.1	0.1	0.0	0.4	0.4	0.6	0.1	0.2	0.1	2.5	0.0	0.6	87.3	0.4	0.1	0.0	0.1	0.0	0.0	0.1	
/g/	0.0	0.5	0.8	0.8	0.8	0.1	0.2	0.1	0.4	0.2	0.3	0.2	0.1	0.3	0.1	0.5	0.3	0.1	0.1	0.1	0.0	3.4	0.1	0.3	89.1	0.0	0.0	0.0	0.0	0.0	1.0	
/f/	0.4	0.2	0.0	0.3	0.1	0.0	0.2	0.3	0.1	0.0	0.1	0.2	0.2	0.1	0.1	0.2	0.1	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	91.5	3.5	0.8	1.0	0.0	0.0	
/s/	0.0	0.4	0.4	0.4	0.2	0.1	0.3	0.5	0.1	0.0	0.1	0.1	0.1	0.7	0.2	0.2	0.0	0.0	0.0	0.3	0.6	0.3	0.0	0.0	0.0	0.2	92.7	1.0	0.0	1.0	0.0	
/ʃ/	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.2	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.7	96.5	0.0	0.0	1.5	
/v/	0.0	0.3	0.3	0.5	0.1	0.3	0.1	0.1	0.0	0.0	0.3	0.5	0.0	0.2	0.1	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.5	0.1	0.0	1.6	0.3	0.0	94.1	0.0	0.3	
/z/	1.1	0.3	1.2	1.1	0.1	0.2	0.4	0.7	0.4	0.5	0.0	0.1	0.0	0.2	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.0	0.5	0.1	0.3	5.0	0.0	0.1	86.0	0.4	
/ʒ/	0.0	0.2	0.1	0.3	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	4.6	0.0	0.0	93.3	
/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

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