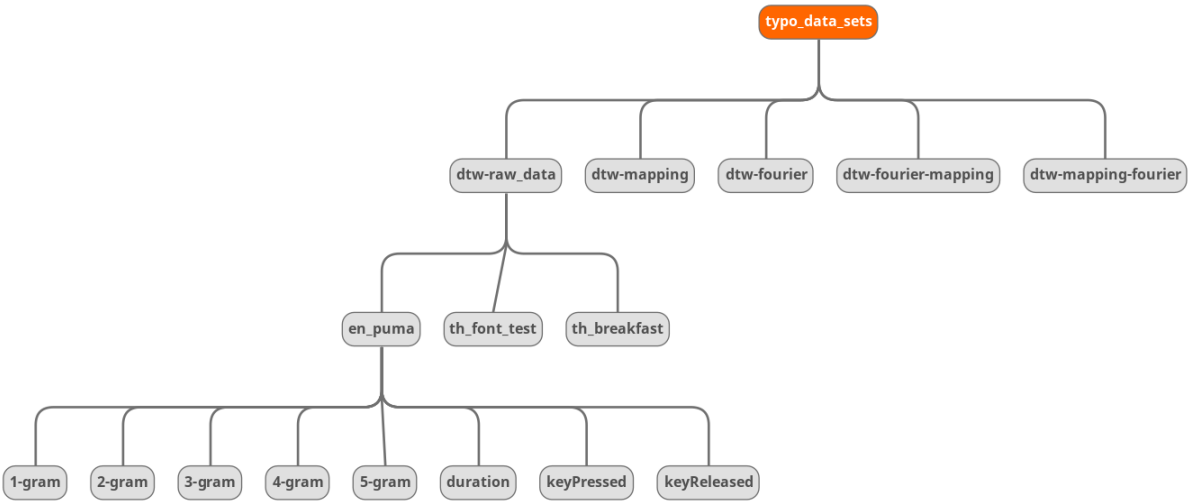
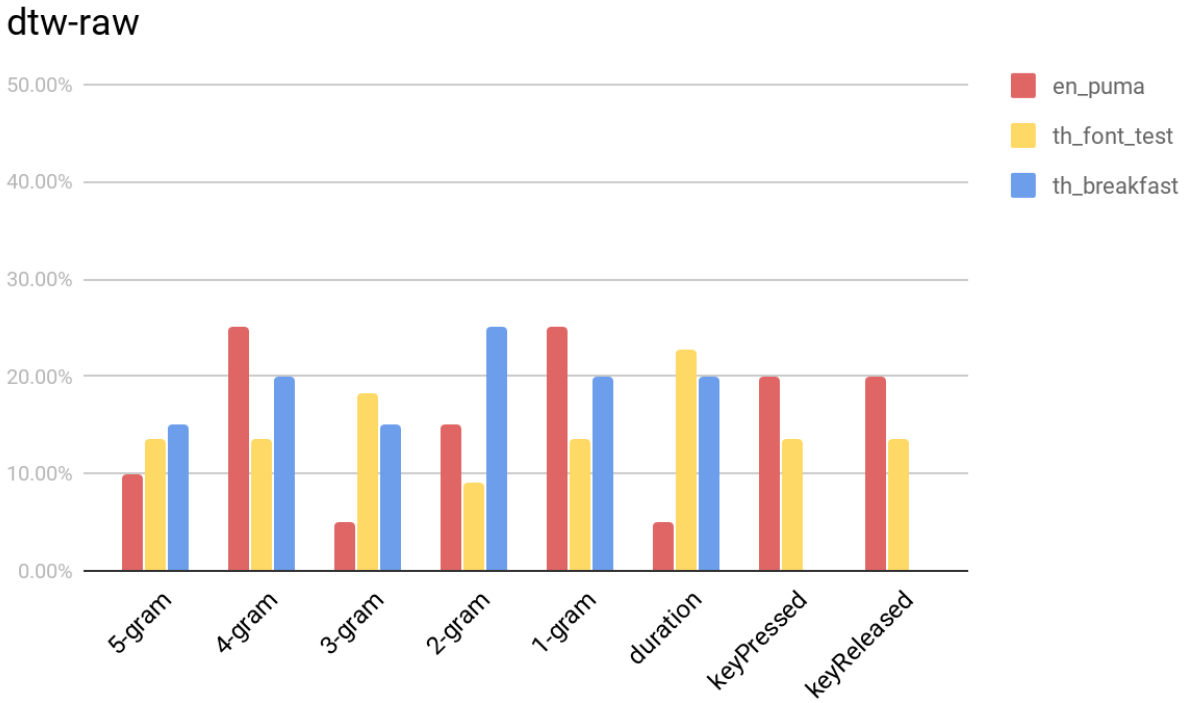
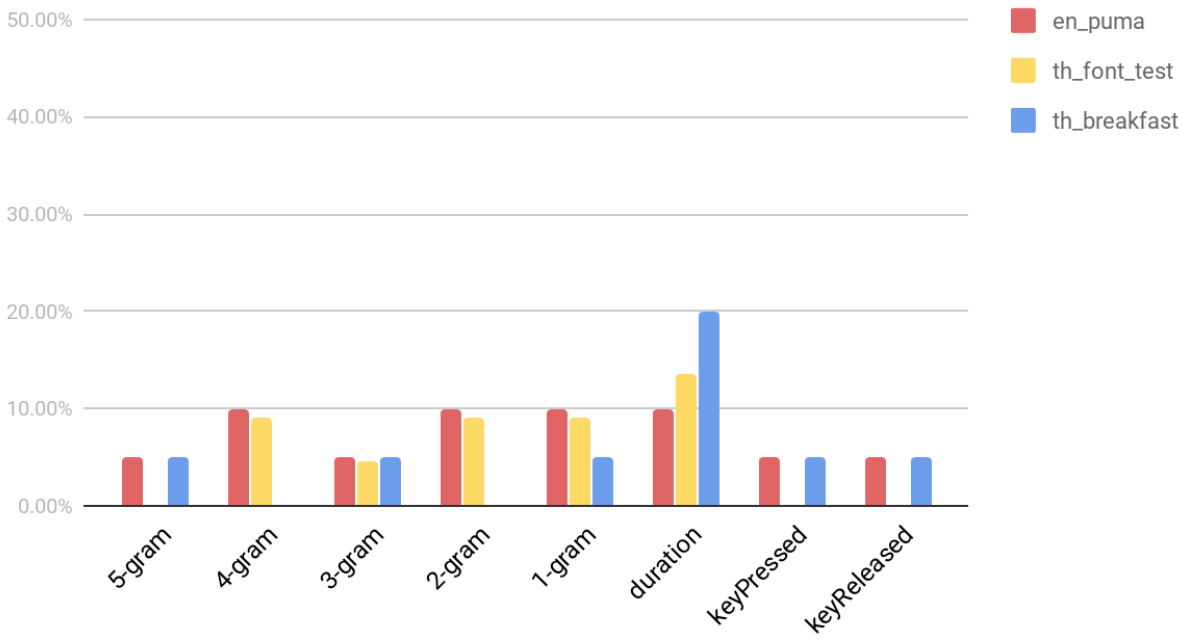
typo_data_sets

en_puma	training_set	100	test_set	20
th_font_test	training_set	98	test_set	22
th_breakfast	training_set	90	test_set	20

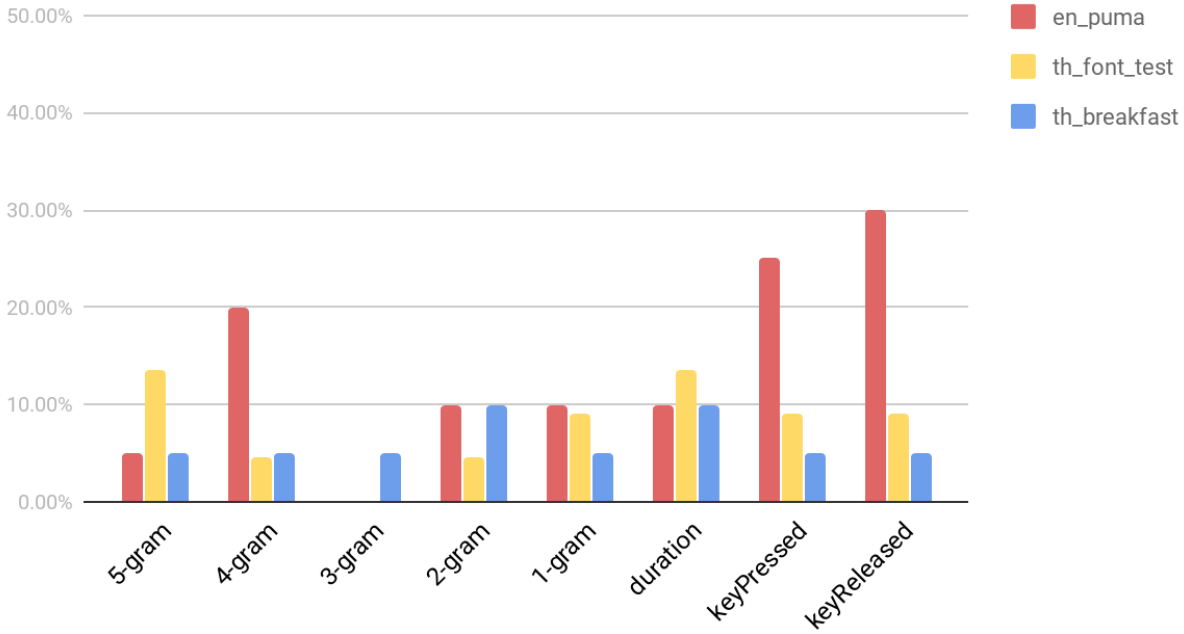




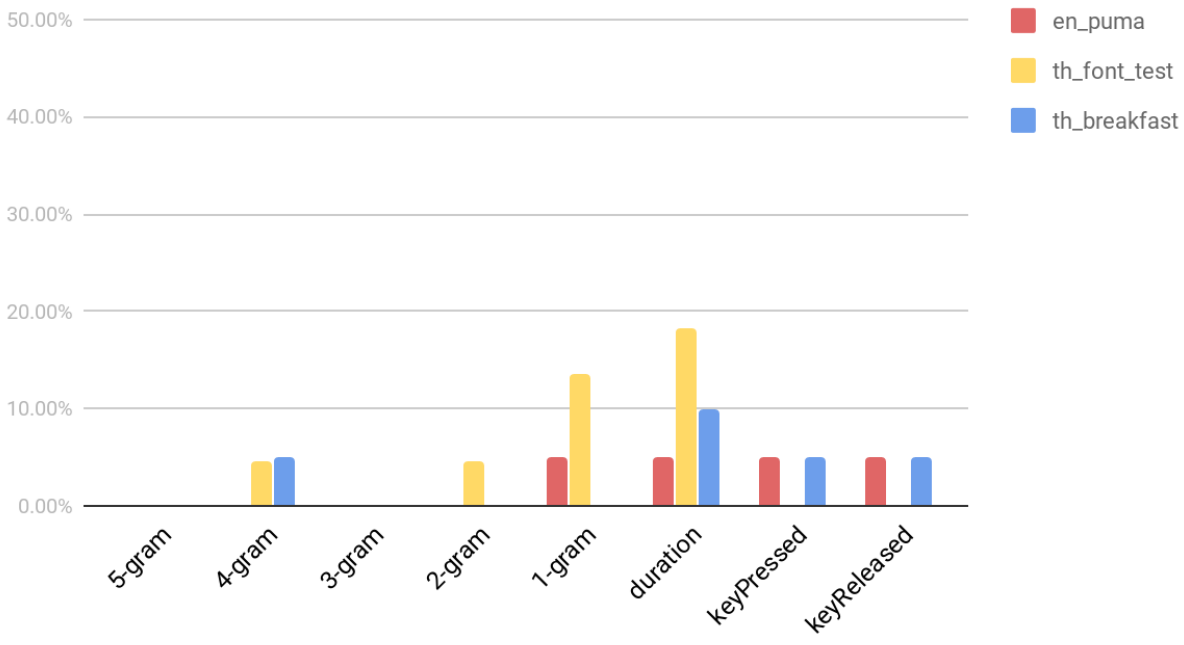
dtw-mapping



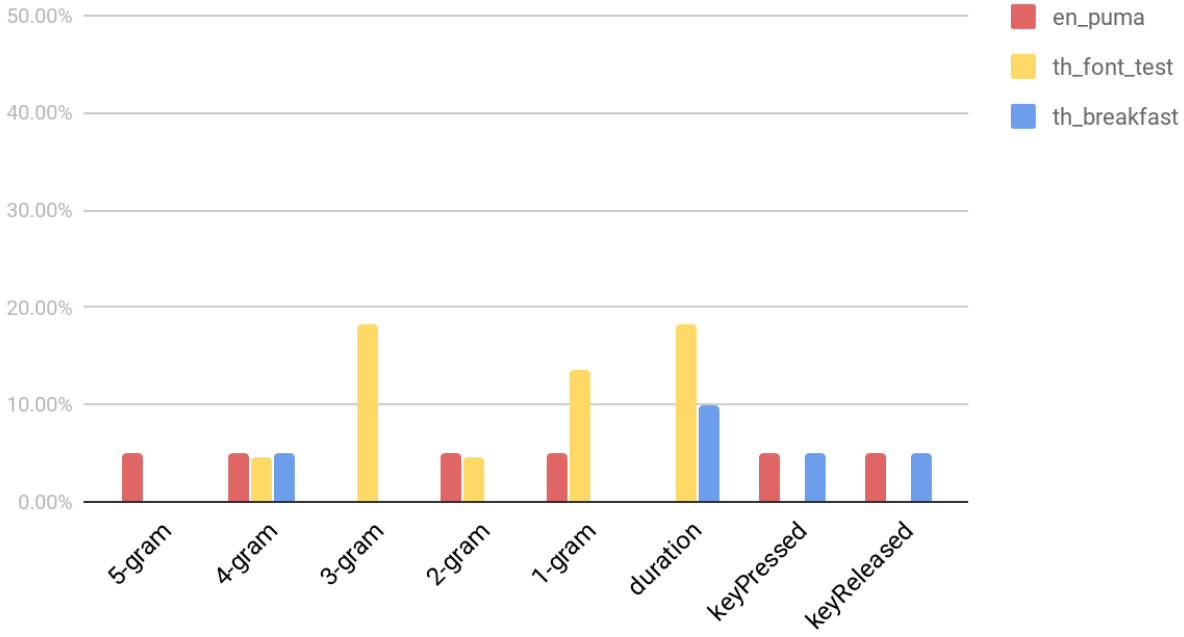
dtw-fourier



dtw-fourier-mapping

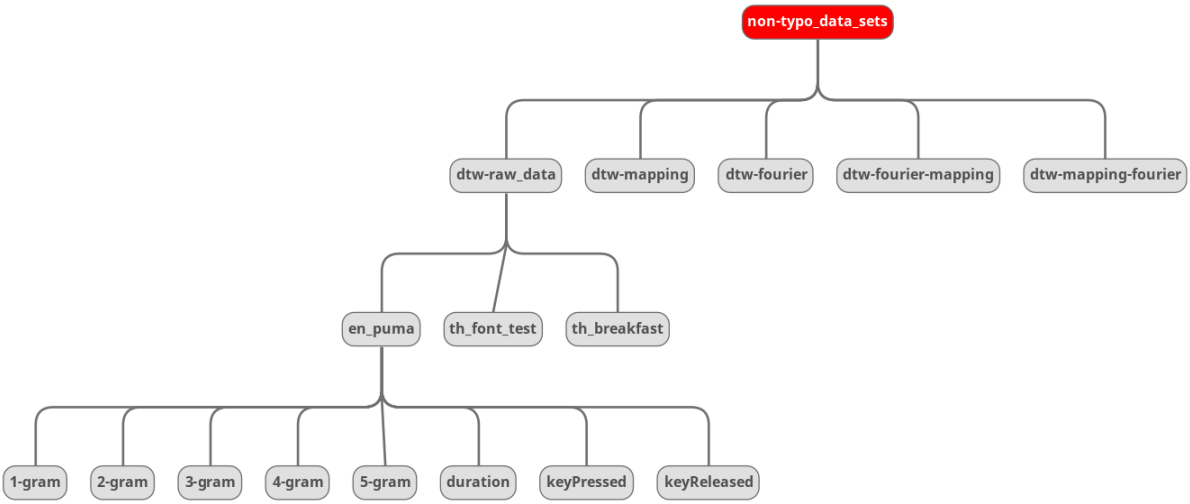


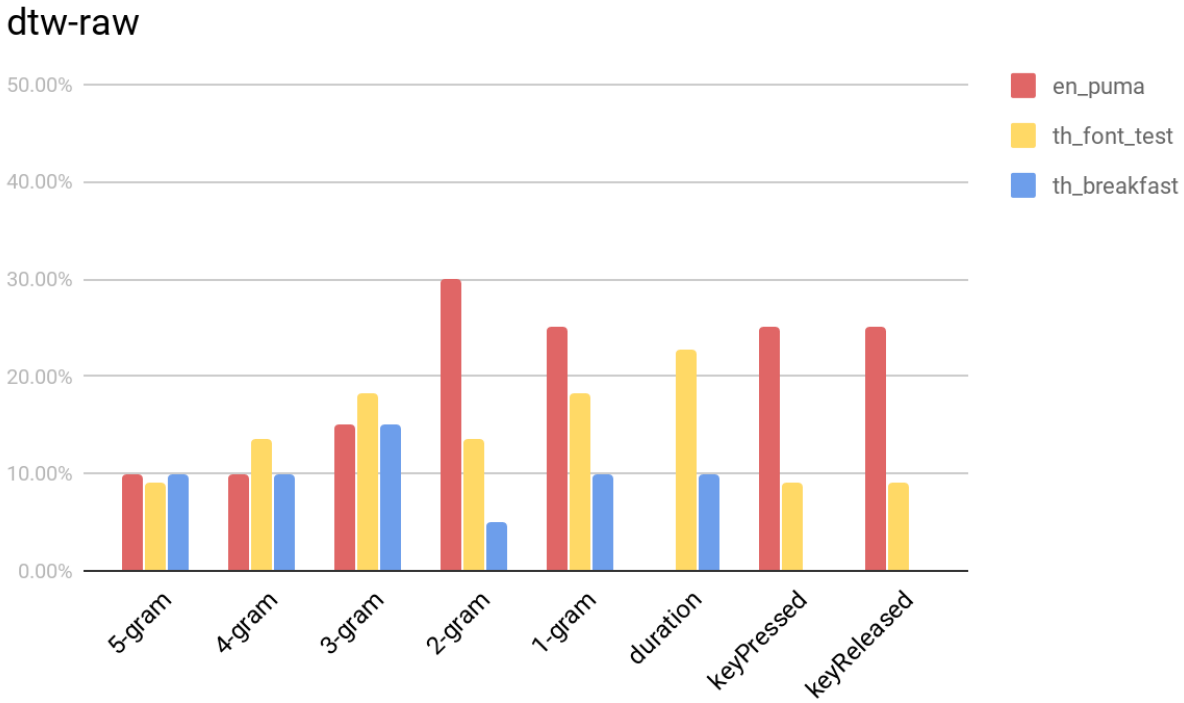
dtw-mapping-fourier



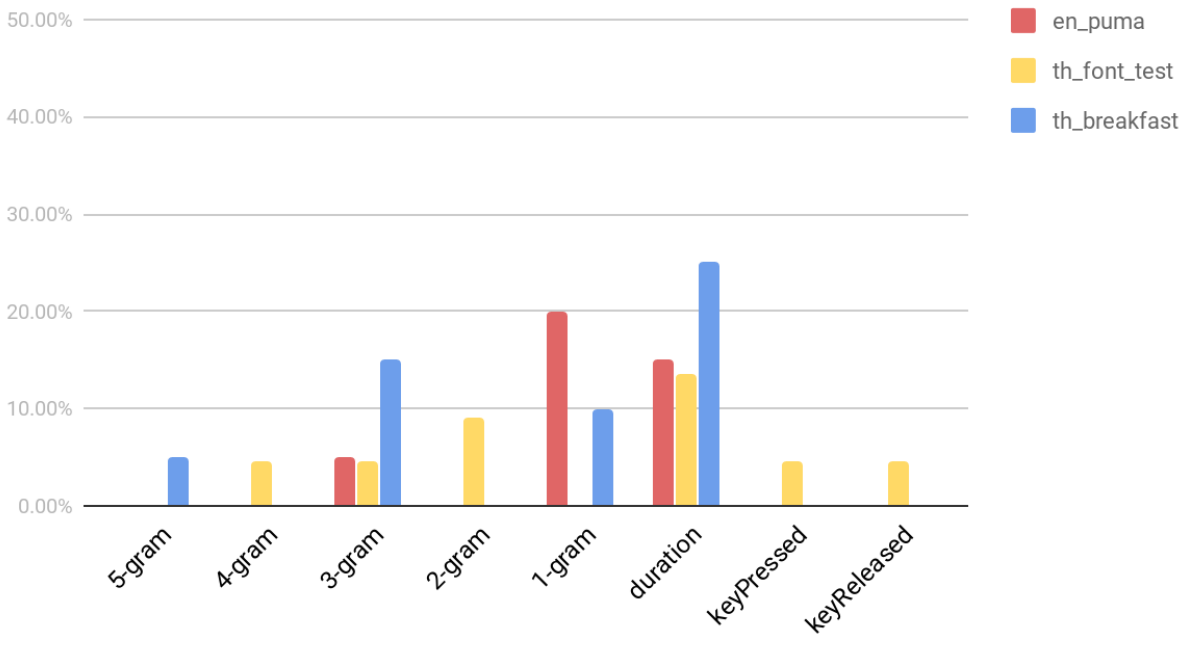
non-typo_data_sets

en_puma	training_set	100	test_set	20
th_font_test	training_set	98	test_set	22
th_breakfast	training_set	90	test_set	20

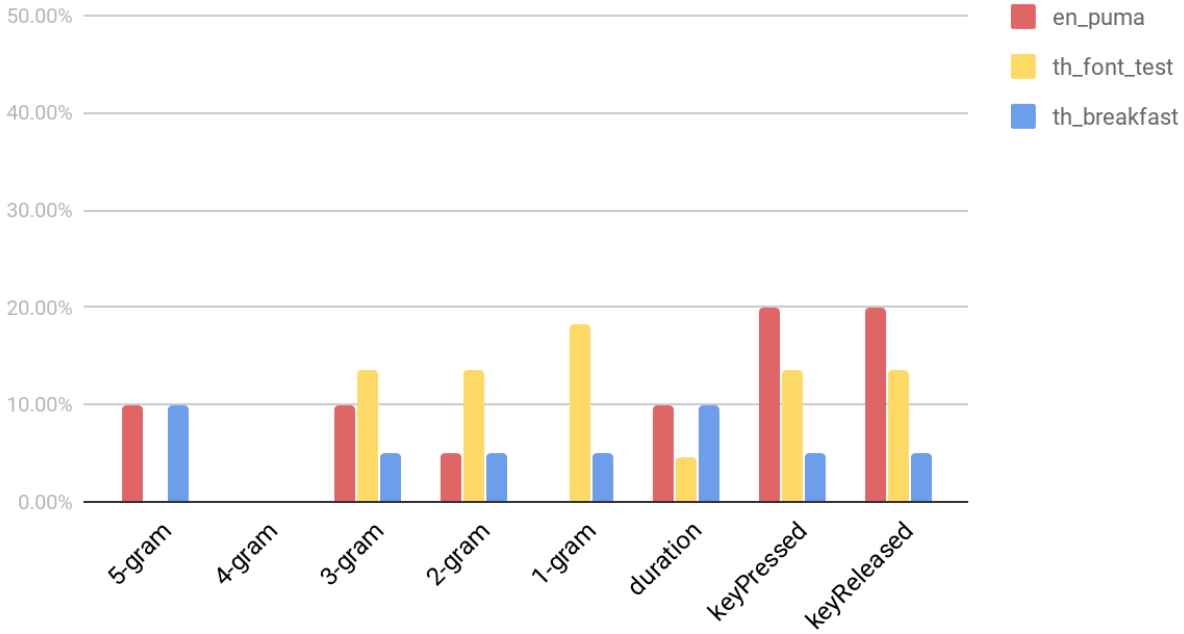




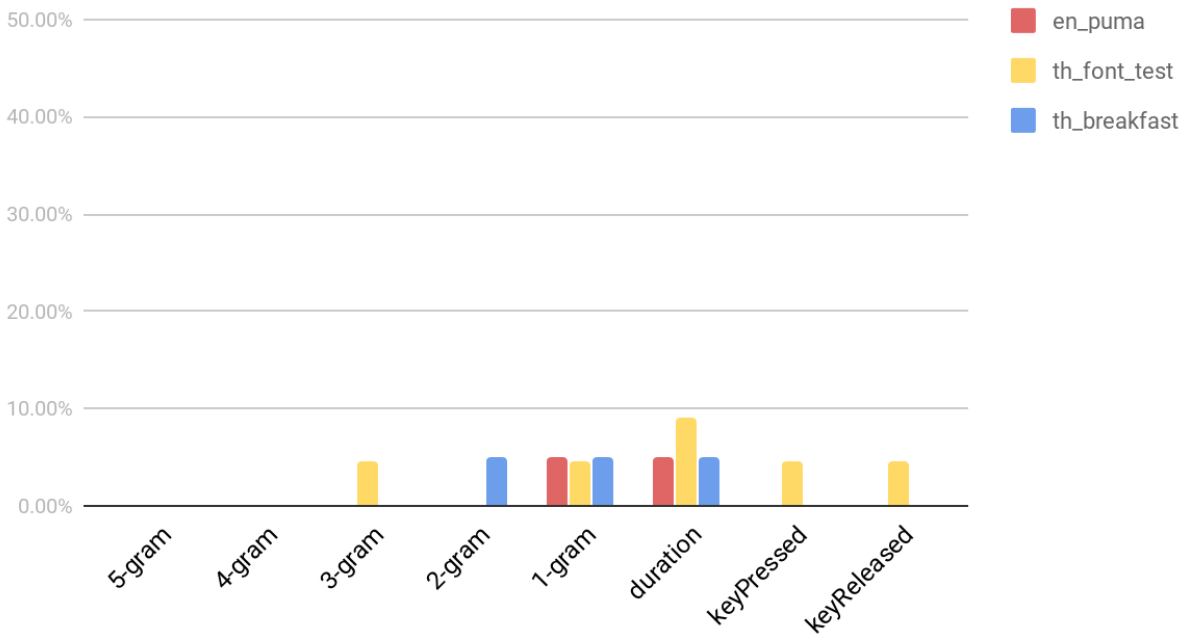
dtw-mapping



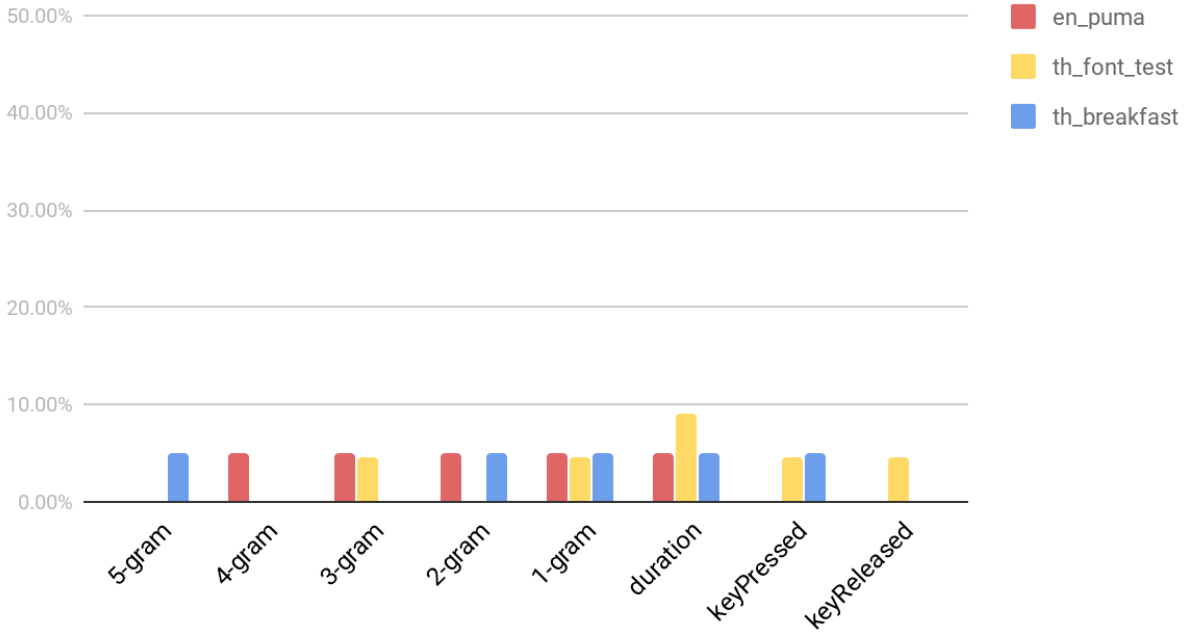
dtw-fourier



dtw-fourier-mapping

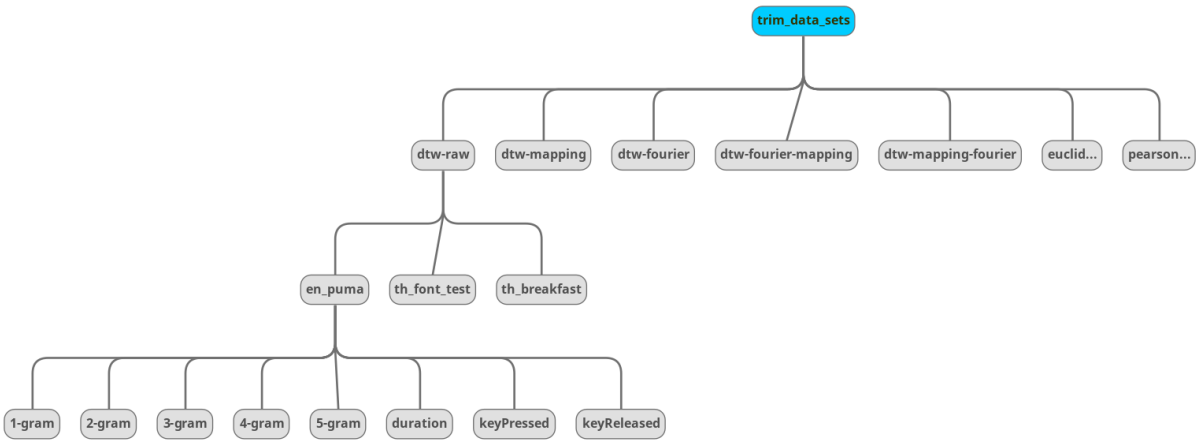


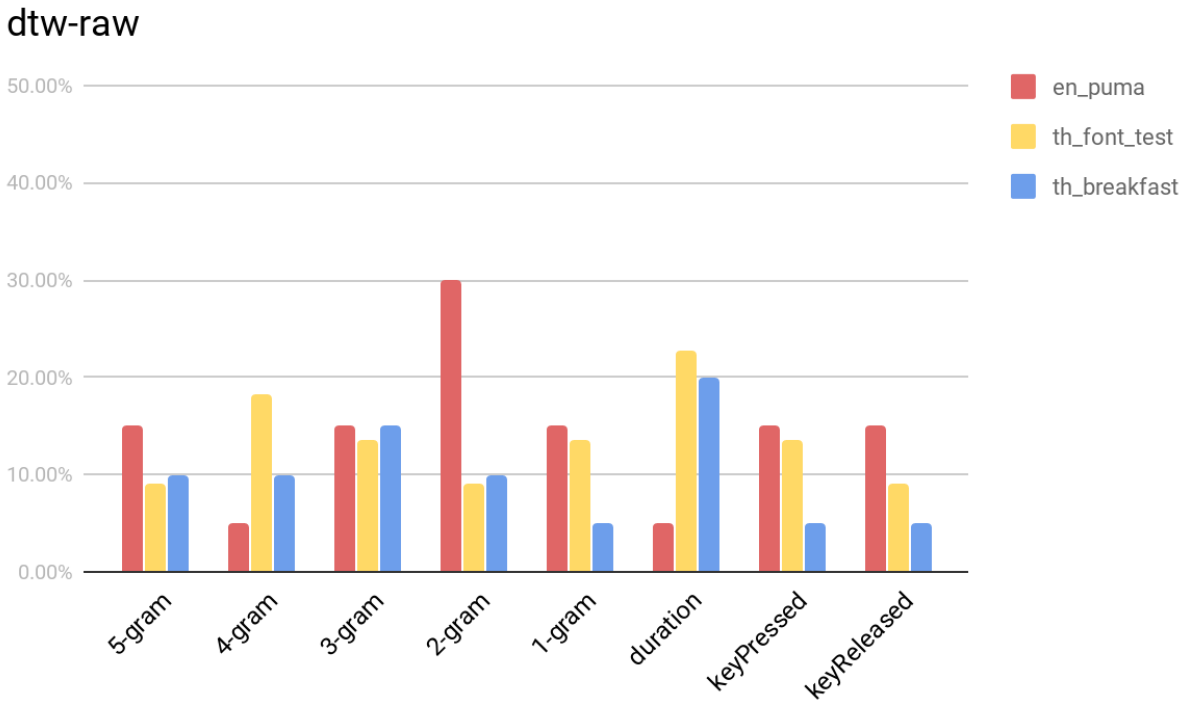
dtw-mapping-fourier



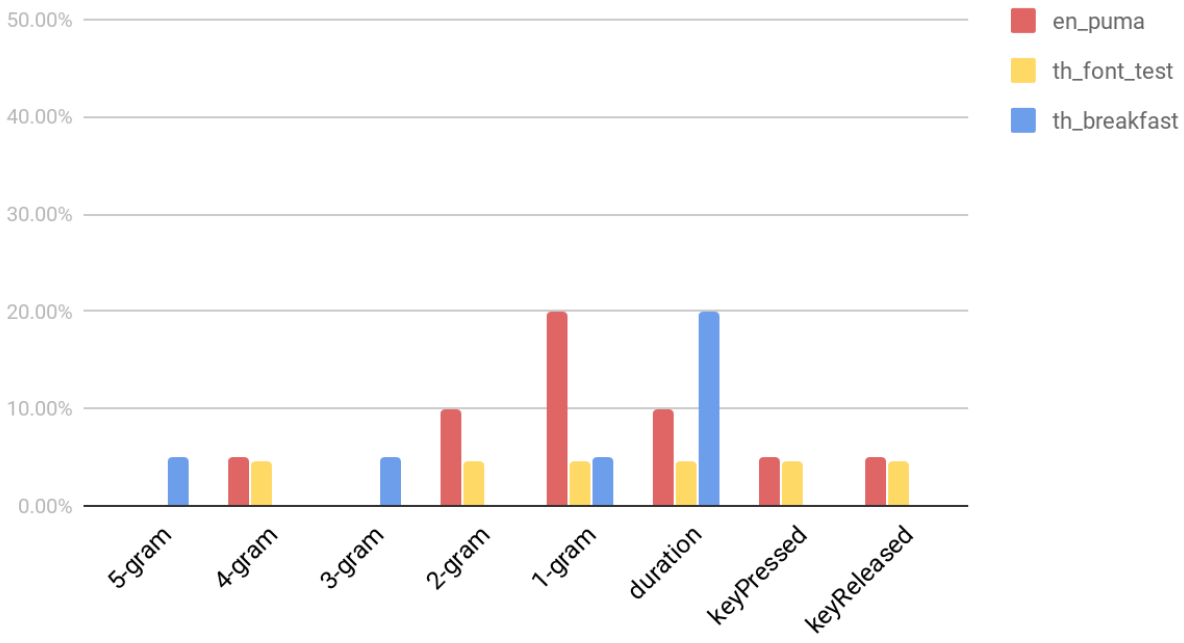
trim_data_sets

en_puma	training_set	100	test_set	20
th_font_test	training_set	98	test_set	22
th_breakfast	training_set	90	test_set	20

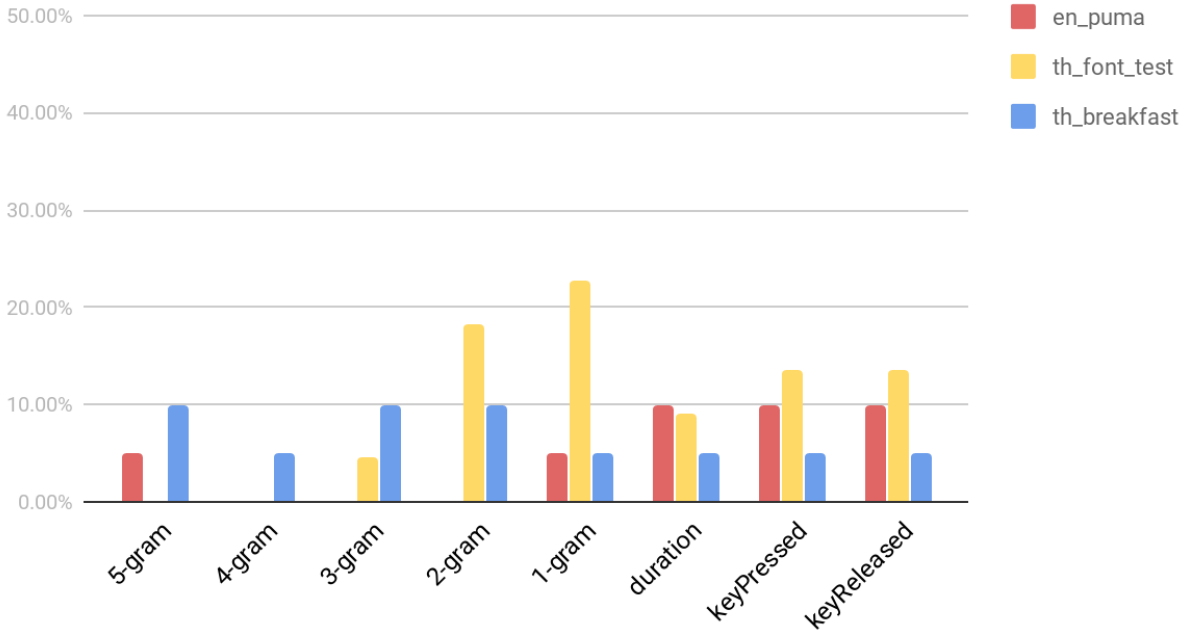




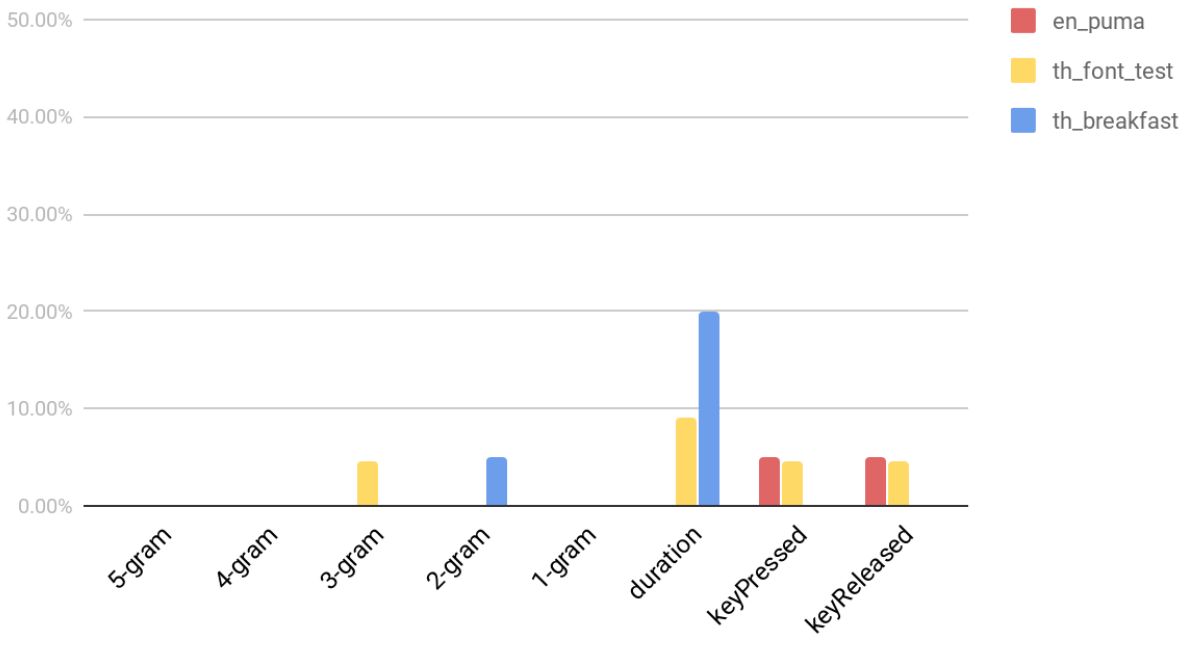
dtw-mapping



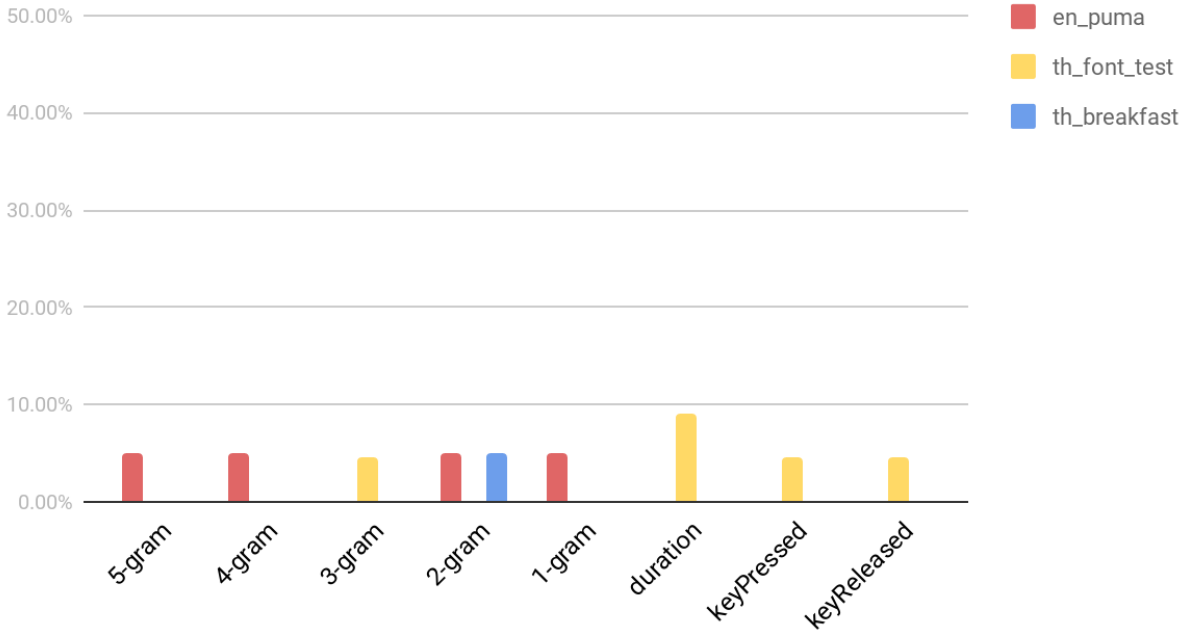
dtw-fourier



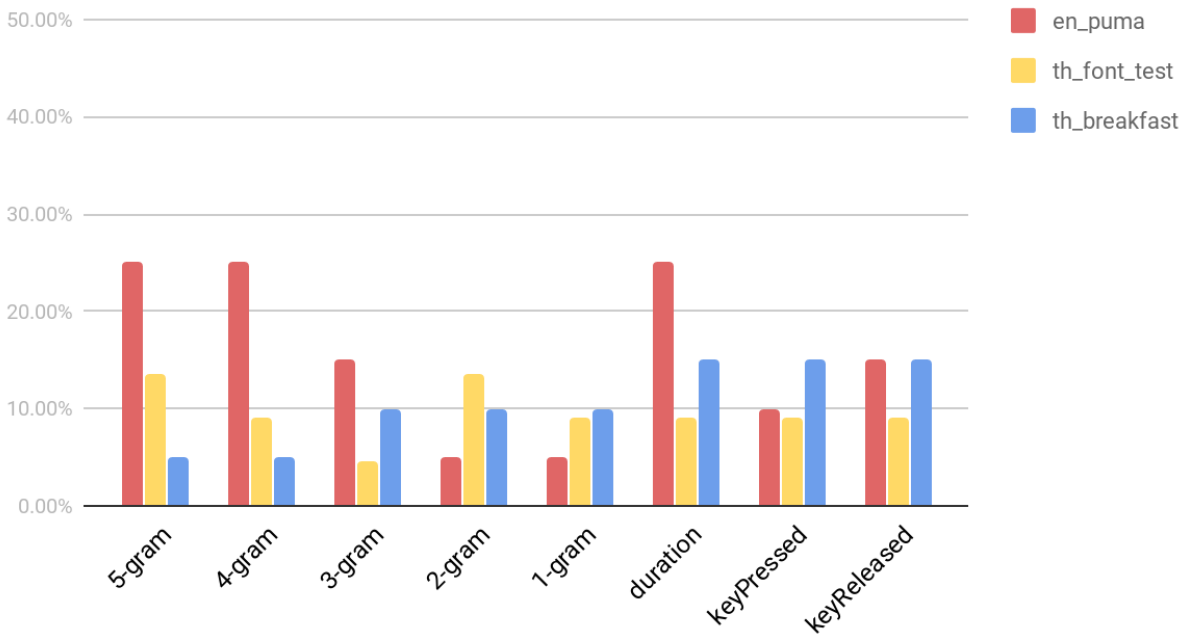
dtw-fourier-mapping



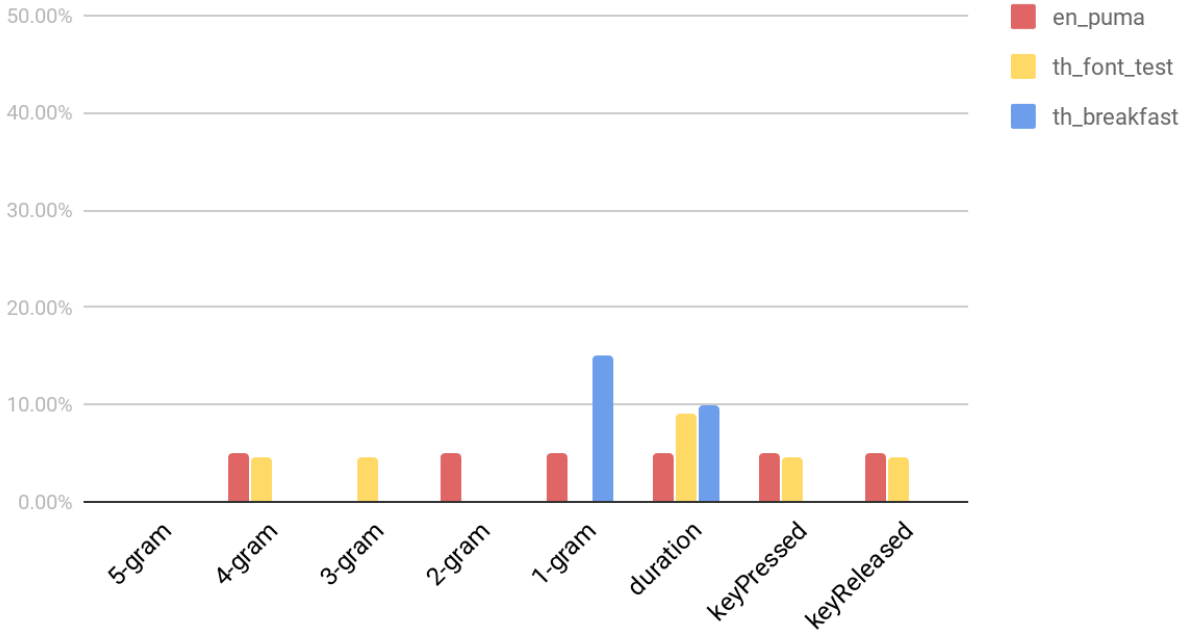
dtw-mapping-fourier



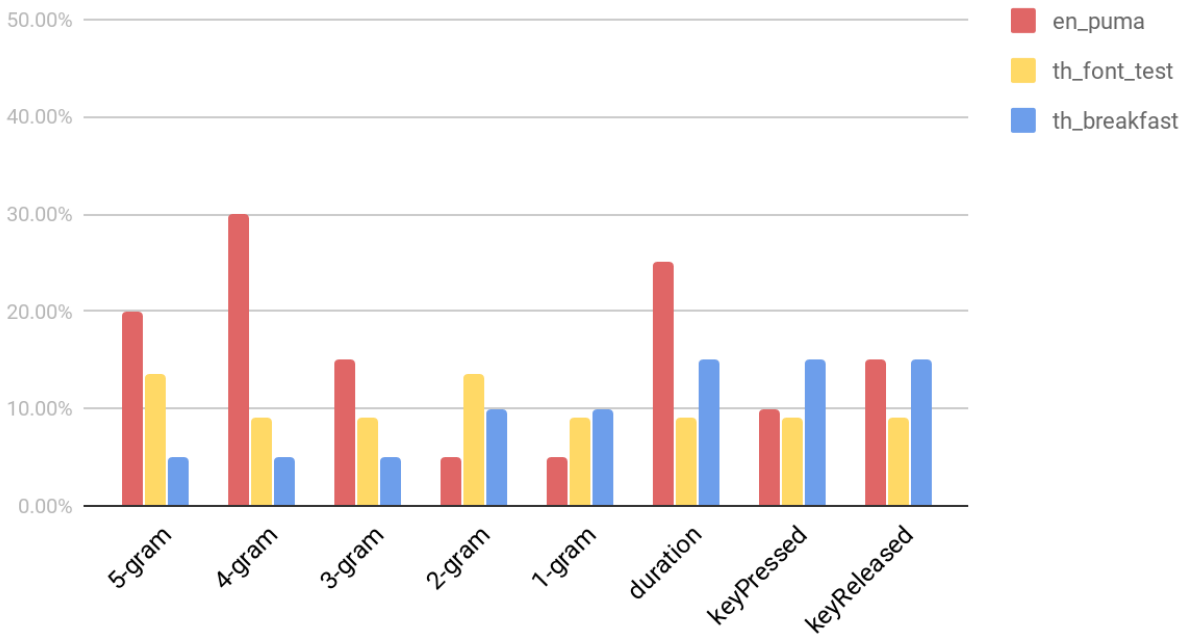
euclid-raw



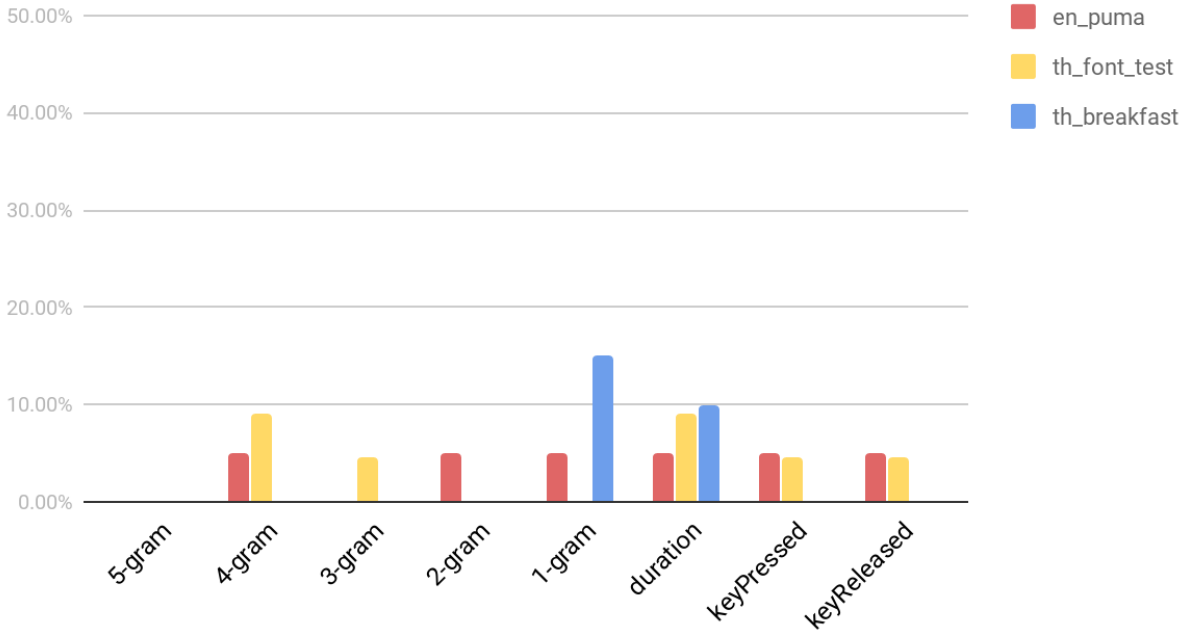
euclid-mapping



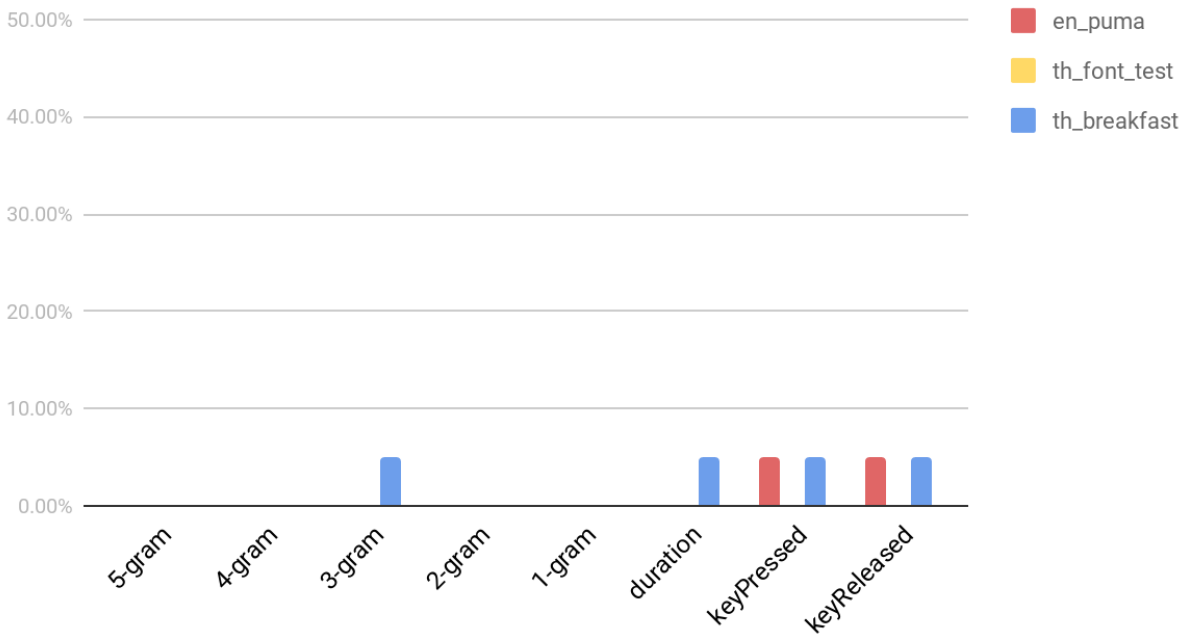
euclid-fourier



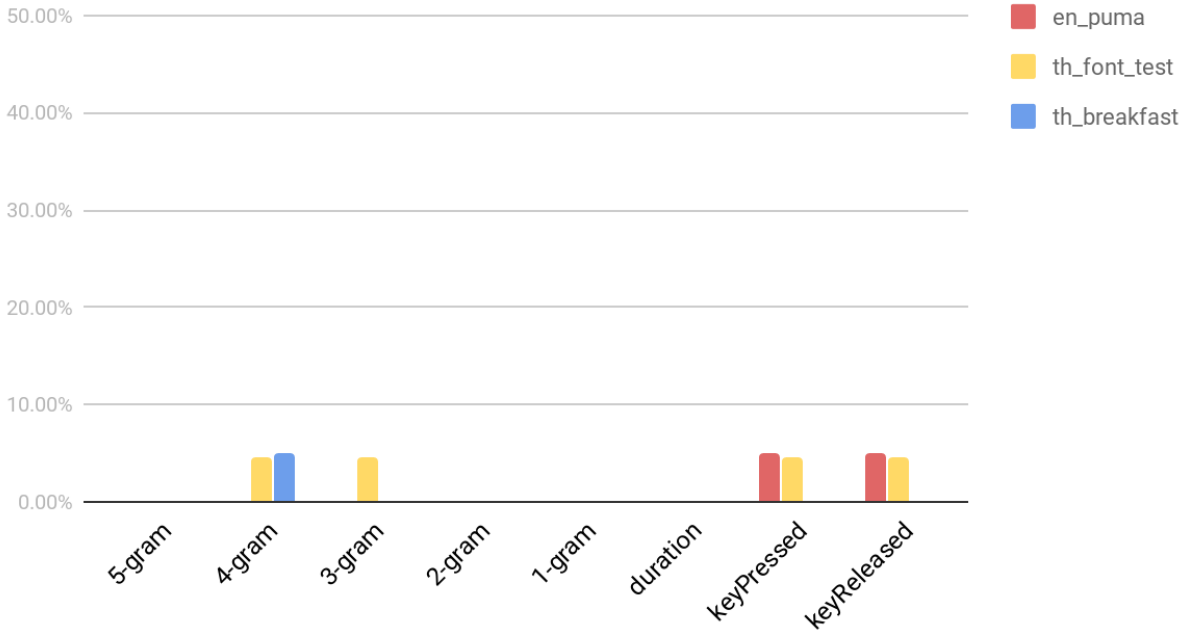
euclid-fourier-mapping



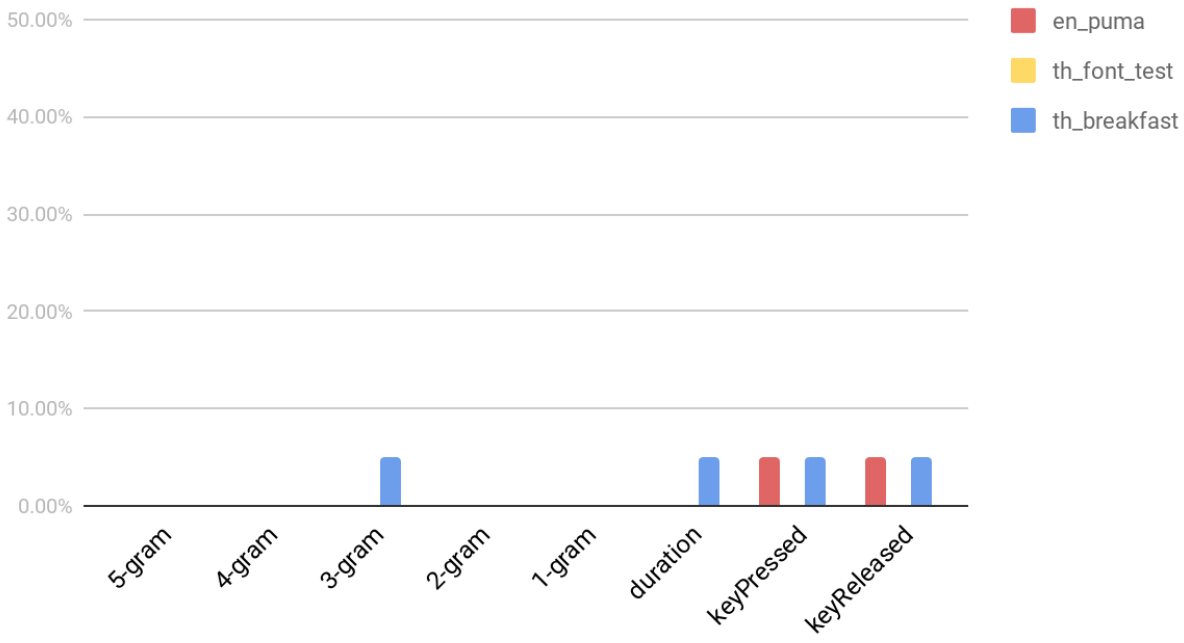
pearson-raw



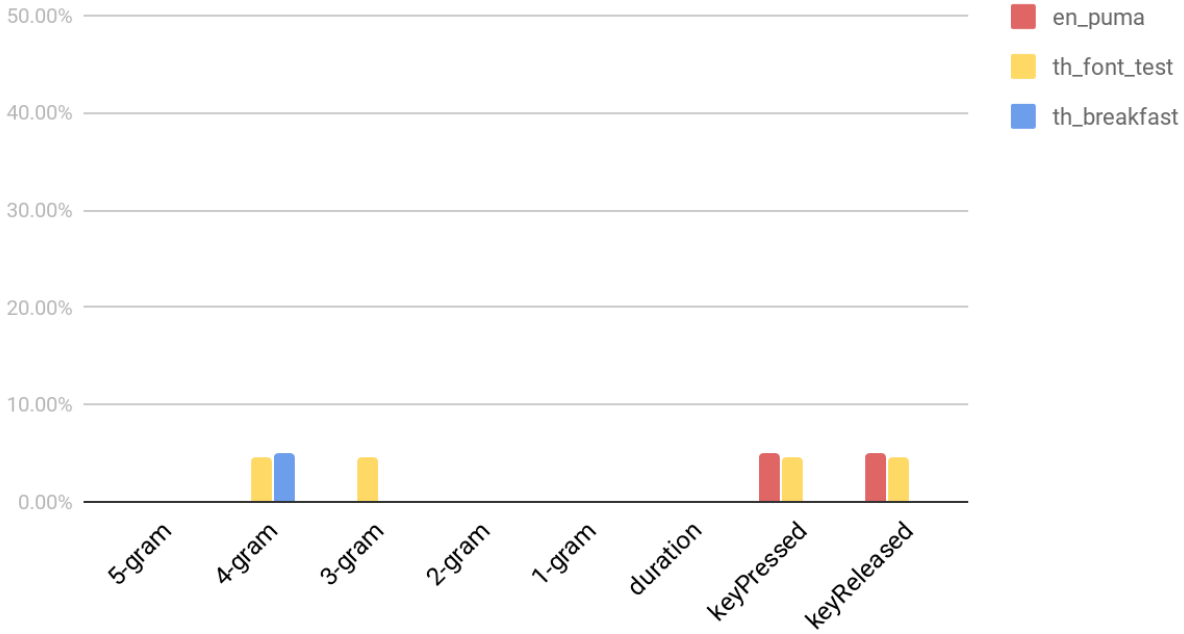
pearson-mapping



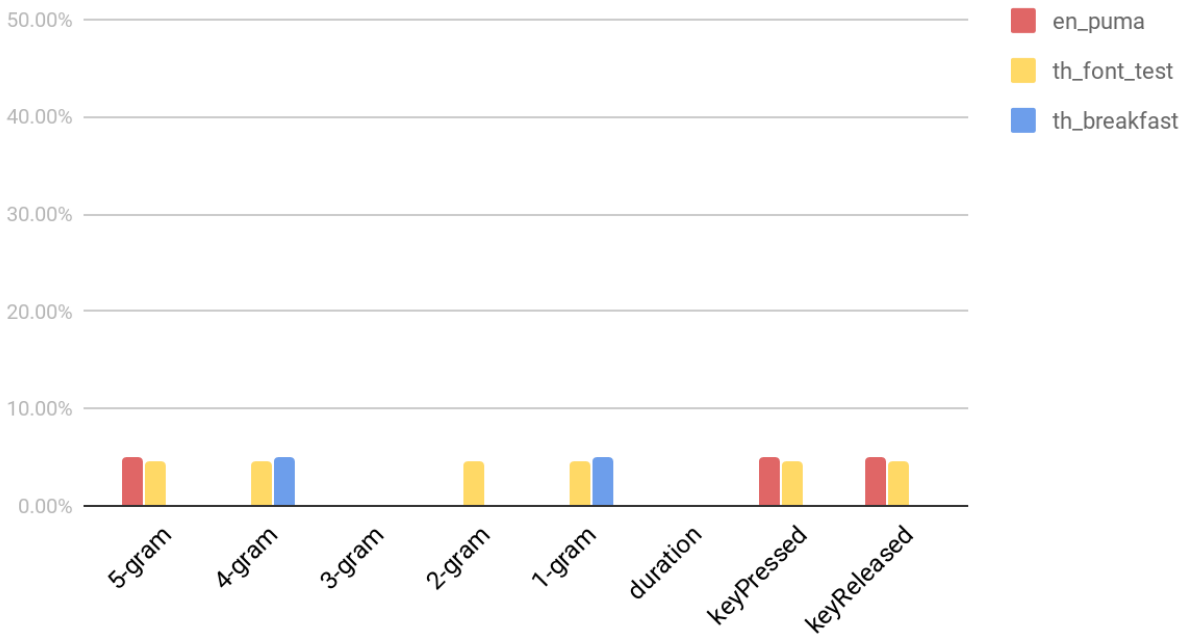
pearson-fourier



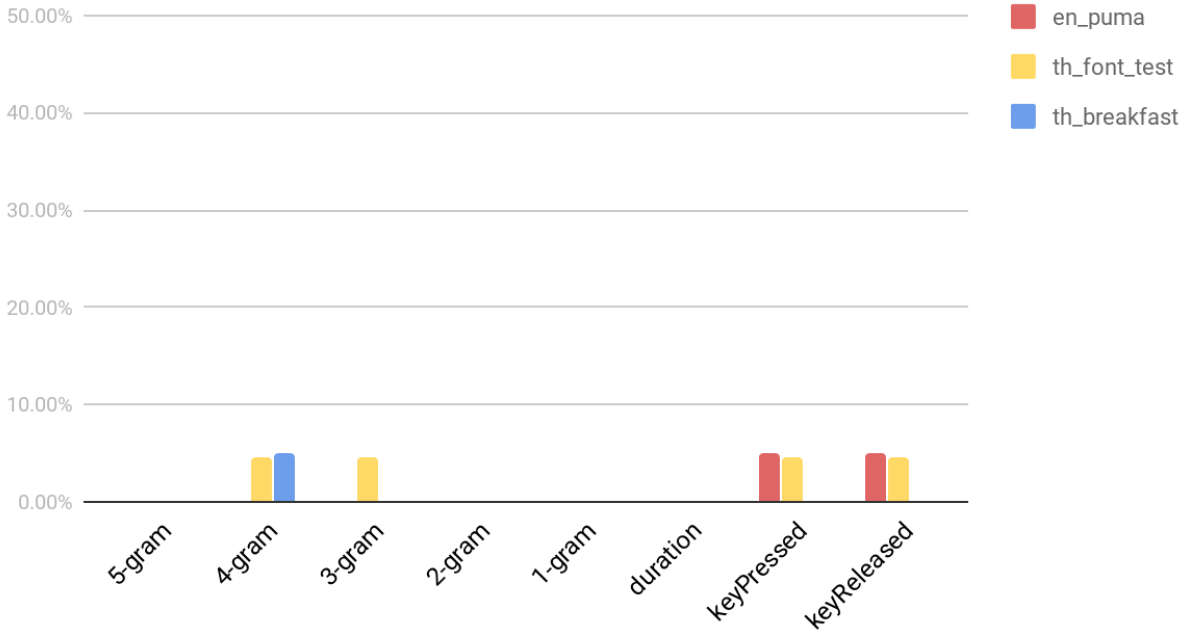
pearson-fourier-mapping



pearson-mapping-fourier



euclid-mapping-fourier



ตารางผลการทดลอง

typo_data_sets	average
dtw-raw	**14.92%**
dtw-mapping	6.27%
dtw-fourier	9.32%
dtw-fourier_mapping	3.58%
dtw-mapping_fourier	4.75%
non-typo_data_sets	average
dtw-raw	**13.07%**
dtw-mapping	5.66%
dtw-fourier	8.22%
dtw-fourier_mapping	2.18%
dtw-mapping_fourier	3.22%
trim_data_sets	average
dtw-raw	**12.67%**
dtw-mapping	4.89%
dtw-fourier	7.37%
dtw-fourier_mapping	2.41%
dtw-mapping_fourier	1.99%
euclid-raw	**11.97%**
euclid-mapping	3.43%
euclid-fourier	**11.95%**
euclid-fourier_mapping	3.62%
euclid-mapping_fourier	1.38%
pearson-raw	1.25%
pearson-mapping	1.38%
pearson-fourier	1.25%
pearson-fourier_mapping	1.38%
pearson-mapping_fourier	2.18%

สรุปผลการทดลอง

typo_data_sets

dtw-raw

	en_puma	th_font_test	th_breakfast	average
5-gram	10.00%	13.64%	15.00%	12.88%
4-gram	**25.00%**	**13.64%**	**20.00%**	**19.55%**
3-gram	5.00%	18.18%	15.00%	12.73%
2-gram	15.00%	9.09%	25.00%	16.36%
1-gram	**25.00%**	**13.64%**	**20.00%**	**19.55%**
duration	5.00%	22.73%	20.00%	15.91%
keyPressed	20.00%	13.64%	0.00%	11.21%
keyReleased	20.00%	13.64%	0.00%	11.21%

non-typo_data_sets

dtw-raw

	en_puma	th_font_test	th_breakfast	average
5-gram	10.00%	9.09%	10.00%	9.70%
4-gram	10.00%	13.64%	10.00%	11.21%
3-gram	**15.00%**	**18.18%**	**15.00%**	**16.06%**
2-gram	**30.00%**	**13.64%**	**5.00%**	**16.21%**
1-gram	**25.00%**	**18.18%**	**10.00%**	**17.73%**
duration	0.00%	22.73%	10.00%	10.91%
keyPressed	25.00%	9.09%	0.00%	11.36%
keyReleased	25.00%	9.09%	0.00%	11.36%

trim_data_sets

dtw-raw

	en_puma	th_font_test	th_breakfast	average
5-gram	15.00%	9.09%	10.00%	11.36%
4-gram	5.00%	18.18%	10.00%	11.06%
3-gram	**15.00%**	**13.64%**	**15.00%**	**14.55%**
2-gram	**30.00%**	**9.09%**	**10.00%**	**16.36%**
1-gram	15.00%	13.64%	5.00%	11.21%
duration	**5.00%**	**22.73%**	**20.00%**	**15.91%**
keyPressed	15.00%	13.64%	5.00%	11.21%
keyReleased	15.00%	9.09%	5.00%	9.70%

euclid-raw

	en_puma	th_font_test	th_breakfast	average
5-gram	25.00%	13.64%	5.00%	14.55%
4-gram	25.00%	9.09%	5.00%	13.03%
3-gram	15.00%	4.55%	10.00%	9.85%
2-gram	5.00%	13.64%	10.00%	9.55%
1-gram	5.00%	9.09%	10.00%	8.03%
duration	**25.00%**	**9.09%**	**15.00%**	**16.36%**
keyPressed	10.00%	9.09%	15.00%	11.36%
keyReleased	15.00%	9.09%	15.00%	13.03%

euclid-fourier

	en_puma	th_font_test	th_breakfast	average
5-gram	20.00%	13.64%	5.00%	12.88%
4-gram	30.00%	9.09%	5.00%	14.70%
3-gram	15.00%	9.09%	5.00%	9.70%
2-gram	5.00%	13.64%	10.00%	9.55%
1-gram	5.00%	9.09%	10.00%	8.03%
duration	**25.00%**	**9.09%**	**15.00%**	**16.36%**
keyPressed	10.00%	9.09%	15.00%	11.36%
keyReleased	15.00%	9.09%	15.00%	13.03%