

# Results of emotion recognition on improved speechflow

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## Training with IEMOCAP

No.	Factors			Test Sets		
	Content	Rhythm	Pitch	IEMOCAP	MSP-IMPROV	SAVEE
1	-	-	-	59.08	28.14	45.00
2	√	√	√	58.52	28.68	48.12
3	×	×	×	25.00	25.00	25.00
4	√	×	×	47.41	27.29	44.17
5	×	√	×	61.88	31.23	33.33
6	×	×	√	45.92	26.14	28.75
7	√	√	×	59.82	27.62	39.58
8	√	×	√	50.50	26.34	43.12
9	×	√	√	57.45	28.10	35.21

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## Training with MSP-IMPROV

No.	Factors			Test Sets		
	Content	Rhythm	Pitch	MSP-IMPROV	IEMOCAP	SAVEE
1	-	-	-	39.65	32.81	43.54
2	√	√	√	37.21	33.56	37.08
3	×	×	×	27.34	25.00	24.58
4	√	×	×	33.22	36.02	36.46
5	×	√	×	36.68	35.02	30.21
6	×	×	√	28.26	36.43	28.33
7	√	√	×	37.39	33.30	30.00
8	√	×	√	34.34	31.42	35.83
9	×	√	√	35.98	29.09	29.38

## Distance between means of the two corpora

No.	Factors					
	Content	Rhythm	Pitch	var(train_MSP)	var(test_IEM)	distance
1	-	-	-	0.0310	0.0205	10.76
2	√	√	√	0.0268	0.0194	8.19
3	×	×	×	<<0.0001	<<0.0001	0.12
4	√	×	×	<0.0001	<0.0001	0.46
5	×	√	×	0.0199	0.0175	3.11
6	×	×	√	<<0.0001	<<0.0001	0.13
7	√	√	×	0.0235	0.0178	7.07
8	√	×	√	0.0001	<0.0001	0.49
9	×	√	√	0.0201	0.0180	3.02

## Distance between samples

No.	Factors						
	Content	Rhythm	Pitch	Dm	Di	Dm/Db	Di/Db
1	-	-	-	29.37	23.96	1.040	0.8484
2	√	√	√	27.13	23.05	1.043	0.8857
3	×	×	×	0.2184	0.0	1.024	0.0
4	√	×	×	1.035	0.9309	0.9462	0.8509
5	×	√	×	23.21	21.37	1.030	0.9485
6	×	×	√	0.4709	0.3839	1.022	0.8334
7	√	√	×	25.25	21.77	1.036	0.8937
8	√	×	√	1.164	1.052	0.9632	0.8704
9	×	√	√	23.37	21.72	1.027	0.9539

Dm: Average distance in training set of MSP-IMPROV

Di: Average distance in test test of IEMOCAP

Db: Average distance between the two corpora