

## Multi label classification performance (one-vs-one, voting):

Roc-SVM is the only method that supports continuous features!

Bayesian Sets can support them, but not a very trivial extension from our current state!

Very high variability in quality of augmentation between experiments!

Furthermore, no clear evidence of more data benefiting augmentation!

Huge variability in the number of new positives of each class added between different experiments!

### Prover data set:

	Precision	Recall	F-Score
<i>Pre-augmentation:</i>			
	0.2088	0.3252	<b>0.2543</b>
<i>Post augmentation(Roc-SVM with <math>c=1</math>, smaller <math>c</math> has worse performance):</i>			
	0.2261	0.3406	<b>0.2718</b>
	0.2223	0.3376	<b>0.2681</b>
	0.1959	0.2522	0.2205
	0.225	0.342	<b>0.2715</b>
	0.3013	0.1099	0.161
<i>Using more unlabeled data:</i>			
	0.2257	0.3065	<b>0.26</b>
	0.1943	0.3132	0.2398
	0.2324	0.3711	<b>0.2858</b>
	0.2051	0.3109	0.2472
	0.195	0.2269	0.2098

### Prover data set #2 (test and train data swapped):

<i>Pre augmentation:</i>			
	0.2187	0.3213	<b>0.2603</b>
<i>Post augmentation(RocSVM with <math>c = 0.1</math>):</i>			
	0.2419	0.339	<b>0.2823</b>
	0.2203	0.2306	0.2253
	0.222	0.3142	0.2602
	0.2147	0.324	0.2583
	0.2439	0.3286	<b>0.28</b>
<i>Using more unlabeled data:</i>			
	0.1295	0.0936	0.1086
	0.2441	0.3034	<b>0.2705</b>
	0.1924	0.3238	0.2413
	0.2246	0.2952	0.2551
	0.2077	0.3311	0.2553