

## WEEKLY REPORT 20/11/2014

### List of Features:

0-spos  
1-wpos  
2-sneu  
3-wneu  
4-sneg  
5-wneg  
6-pos  
7-neg  
8-negation  
9-len  
10-day  
11-vote  
12-pos (WordNet)  
13-neg (WordNet)  
14-character\_count  
15-uppercase\_count  
16-lowercase\_count  
17-punctuation\_count  
18-alphabetic\_count  
19-numeric\_count  
20-1 star (Bag of words)  
21-2 star (Bag of words)  
22-3 star (Bag of words)  
23-4 star (Bag of words)  
24-5 star (Bag of words)

*Put table mutual\_info and PCC score here*

# Features	mutual information	PCC
0	0.0927815181	0.0903658491
1	0.0943339902	-0.0570241331
2	0.0503507516	-0.1082753224
3	0.0647941896	-0.136978806
4	0.09351242	-0.279446049

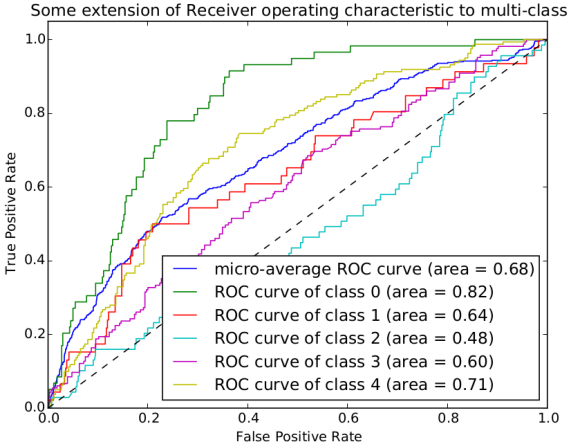
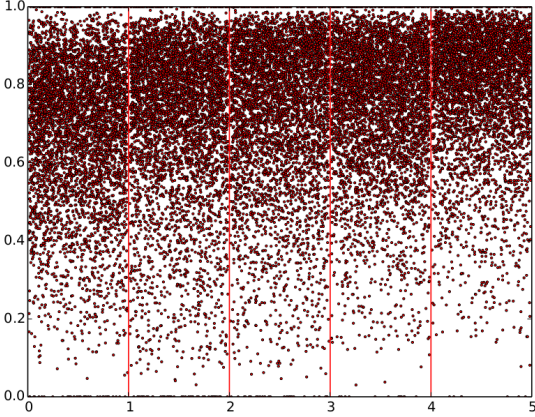
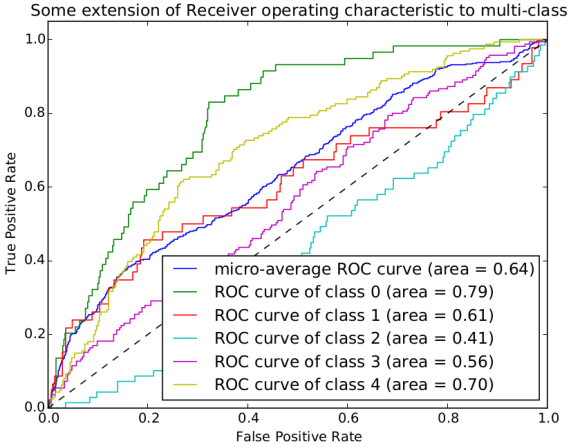
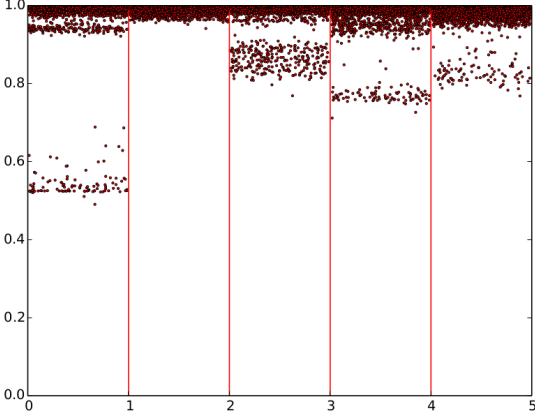
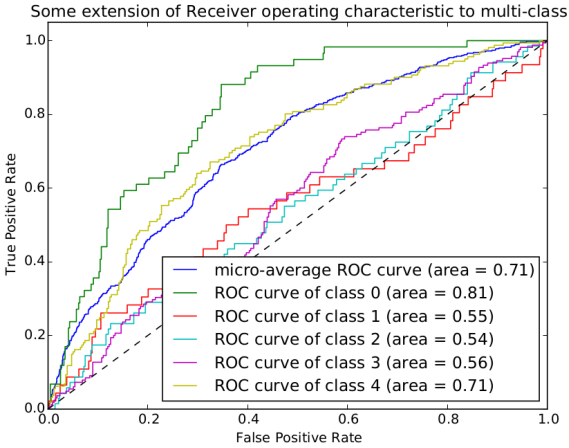
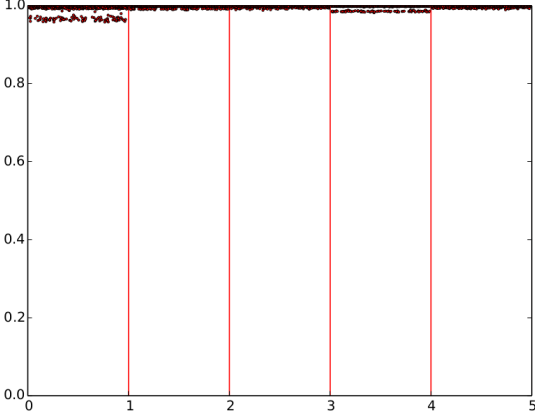
5	0.0727823628	-0.240633071
6	0.1358688632	-0.0567549444
7	0.1457278019	-0.2697715562
8	0.0757117812	-0.2575723079
9	0.6385285802	-0.153142069
10	0.0026563788	-0.0016561843
11	0.0449040492	-0.026564253
12	1.4597446389	-0.0405194947
13	1.4621774296	-0.2398235775
14	1.1786996041	-0.145964132
15	0.1797516526	-0.1263577924
16	1.1031838378	-0.1429638135
17	0.2191398531	-0.1341208976
18	1.1266395011	-0.1433751799
19	0.060229426	-0.1403685205
20	0.9917703132	-0.0133283845
21	0.7933696034	0.1204474404
22	0.6799529815	0.1197528927
23	0.9904469334	-0.1388707886
24	0.8339643766	0.1487493243

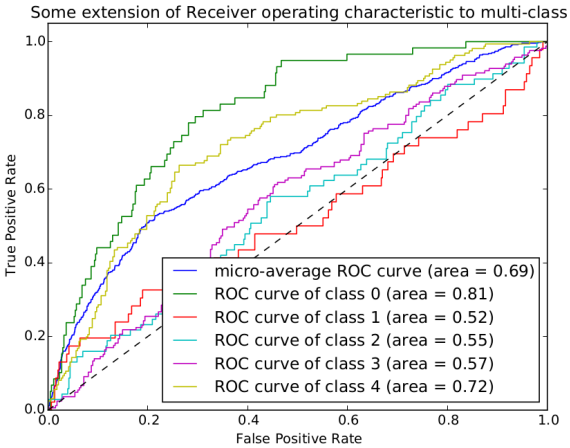
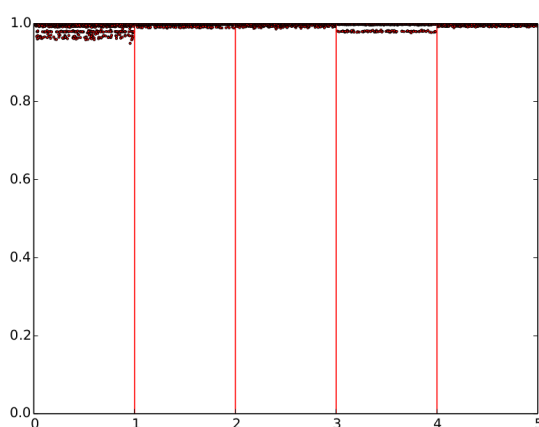
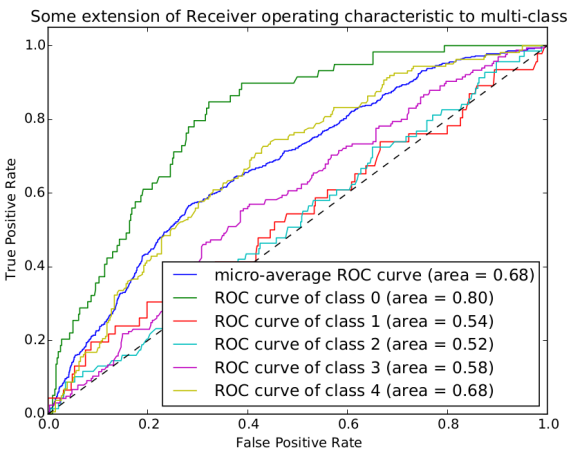
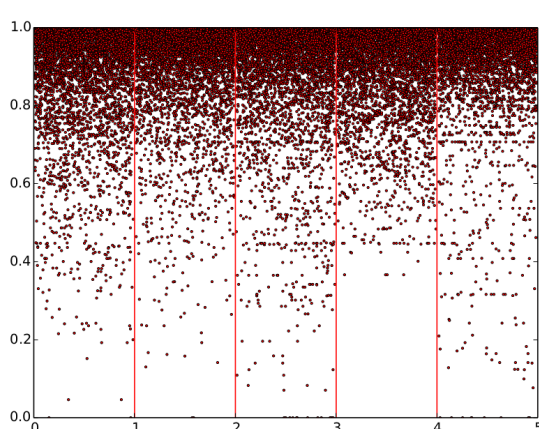
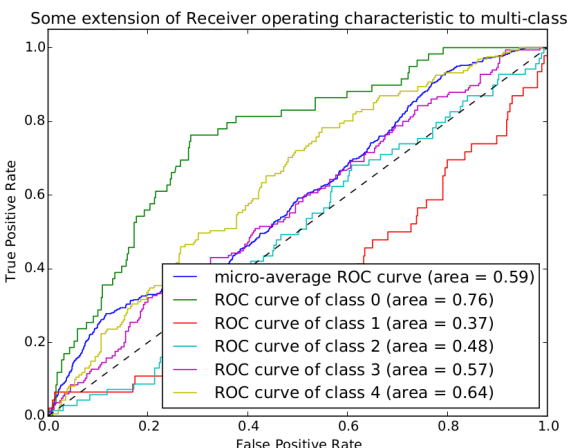
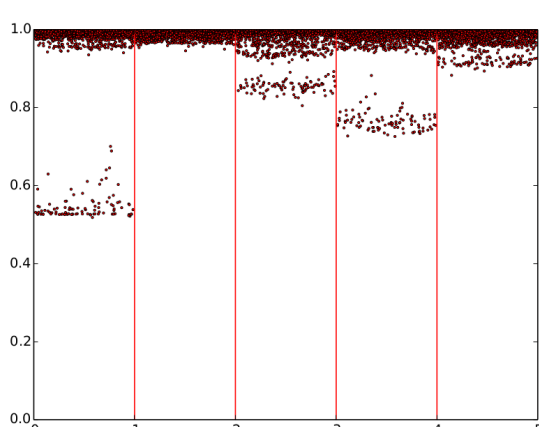
Put table  $r^2$  score here

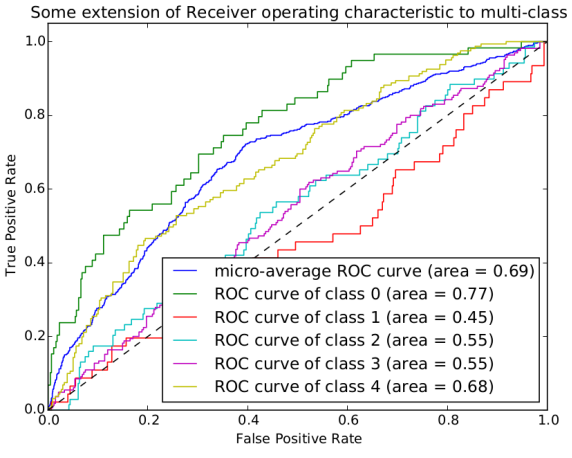
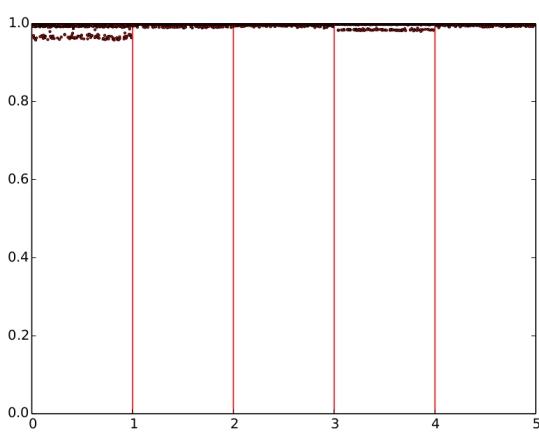
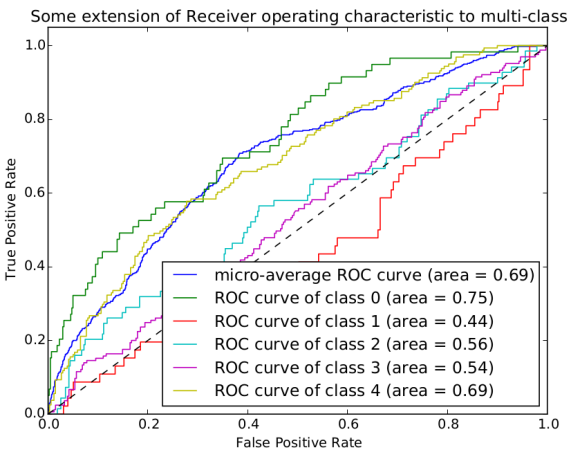
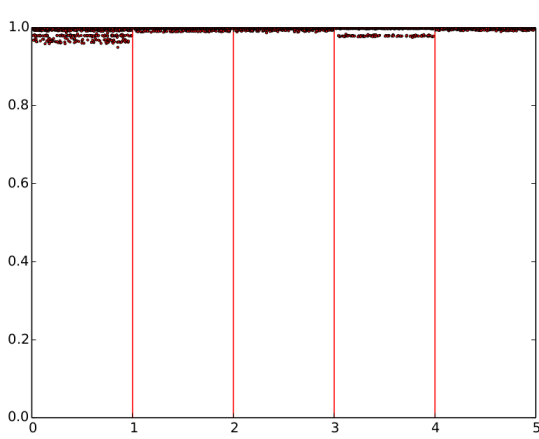
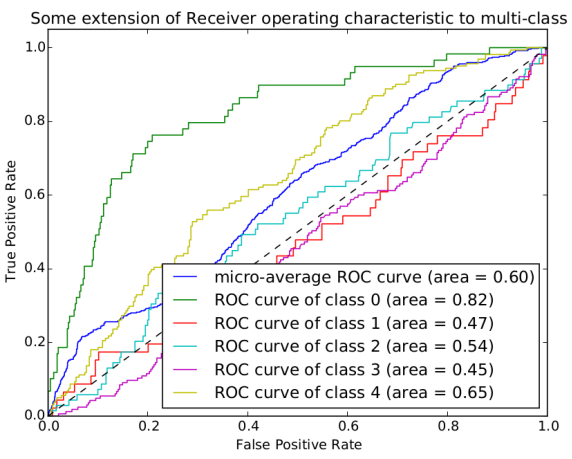
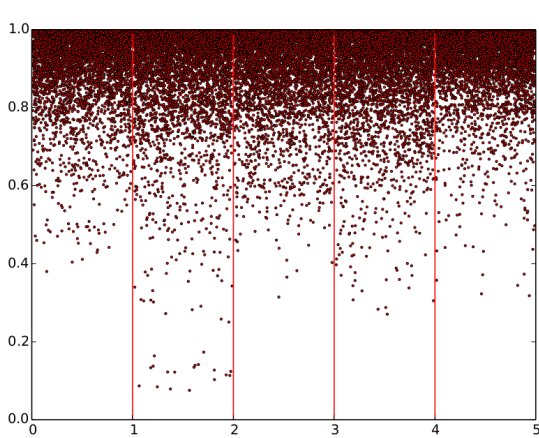
#	Features	Accuracy SVM	Wrong rate SVM	$R^2$ score SVM	Accuracy RF	Wrong rate RF	$R^2$ score RF
1	[0, 1, 2, 3, 4,	0.48	0.215	0.000339827	0.35	0.305	-0.28285002

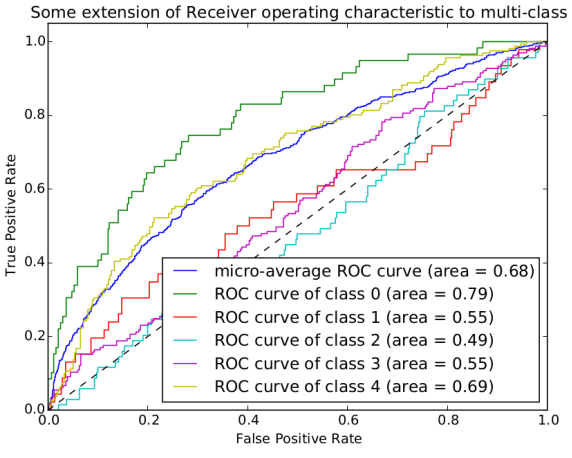
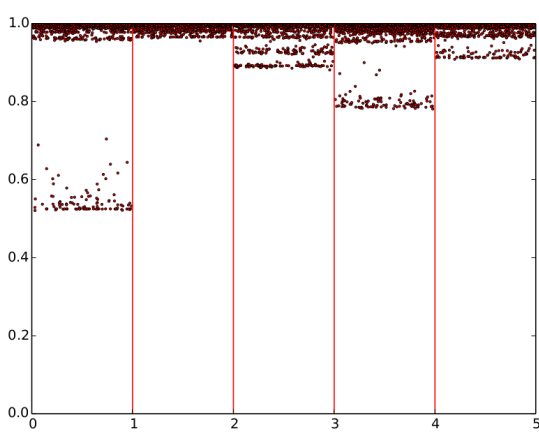
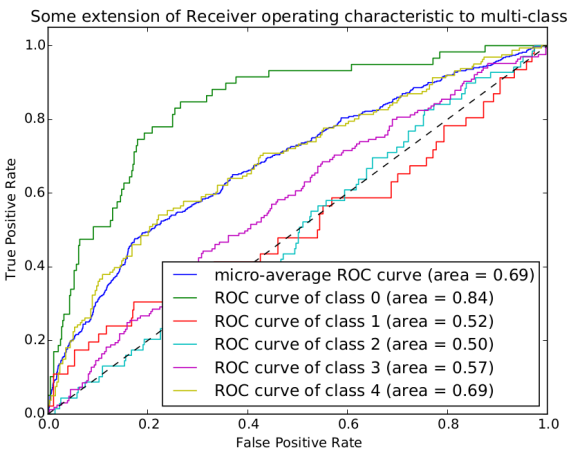
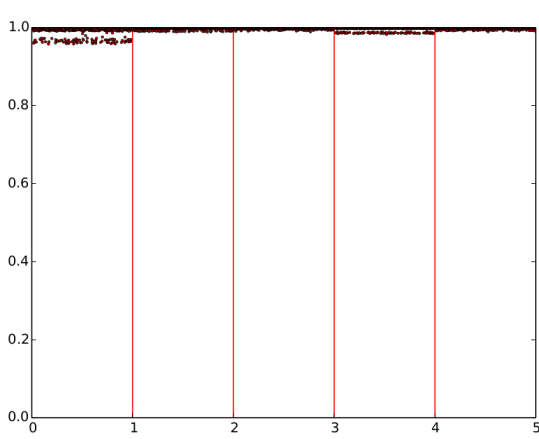
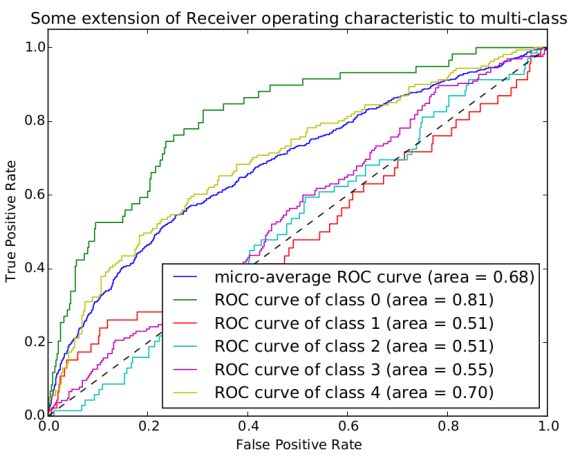
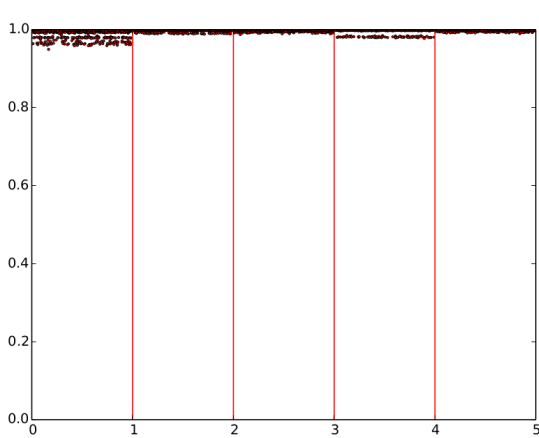
	5, 8]			8			27
2	[0, 1, 2, 3, 4, 5, 8, 9, 10, 11]	0.43	0.205	-0.03930675 12	0.405	0.225	-0.03930675 12
3	[0, 1, 2, 3, 4, 5, 8, 14, 15, 16, 17, 18, 19]	0.47	0.225	-0.11859990 94	0.435	0.23	-0.07895333 03
4	[0, 1, 2, 3, 4, 5, 8, 9, 10, 11, 14, 15, 16, 17, 18, 19]	0.44	0.205	-0.05346624 38	0.435	0.23	-0.01098776 62
5	[6, 7, 8]	0.485	0.22	-0.20922066 15	0.37	0.24	-0.35081558 68
6	[6, 7, 8, 9, 10, 11]	0.4	0.21	-0.22621205 26	0.4	0.215	-0.25736293 61
7	[6, 7, 8, 14, 15, 16, 17, 18, 19]	0.48	0.205	-0.11859990 94	0.415	0.215	-0.22904395 11
8	[6, 7, 8, 9, 10, 11, 14, 15, 16, 17, 18, 19]	0.45	0.21	-0.10444041 69	0.43	0.195	-0.02231536 02
9	[12, 13, 8]	0.505	0.205	-0.08461712 73	0.355	0.295	-0.33665609 42
10	[12, 13, 8, 9, 10, 11]	0.425	0.205	-0.13559130 04	0.345	0.245	-0.25736293 61
11	[12, 13, 8, 14, 15, 16, 17, 18, 19]	0.48	0.2	-0.05629814 23	0.405	0.23	-0.14125509 74
12	[12, 13, 8, 9, 10, 11, 14, 15, 16, 17,	0.43	0.195	-0.05629814 23	0.385	0.225	-0.22054825 56

	18, 19]						
13	[20, 21, 22, 23, 24]	0.535	0.165	0.150430448 6	0.49	0.185	0.031490711 4
14	[20, 21, 22, 23, 24, 9, 10, 11]	0.46	0.19	-0.07895333 03	0.445	0.175	-0.04497054 83
15	[20, 21, 22, 23, 24, 14, 15, 16, 17, 18, 19]	0.495	0.18	0.045650203 9	0.515	0.165	0.153262347 1

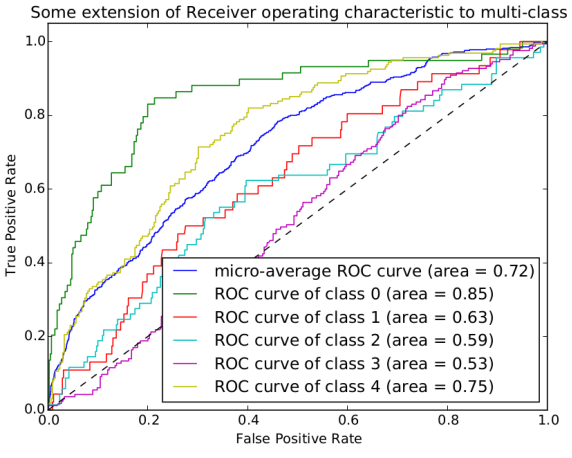
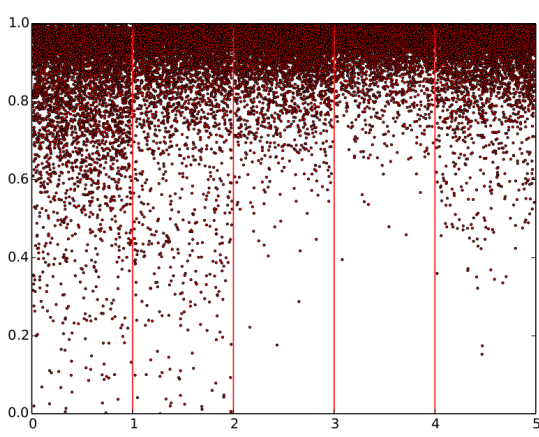
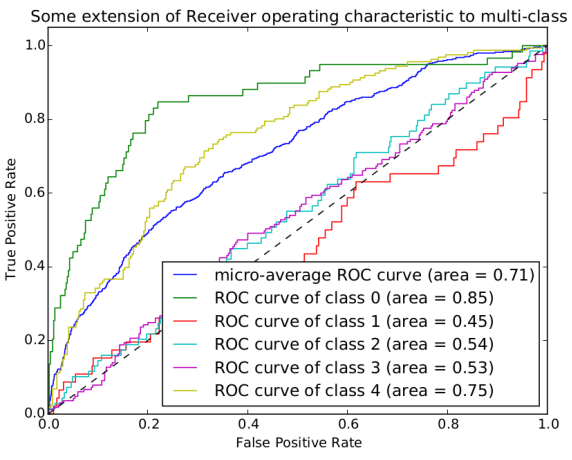
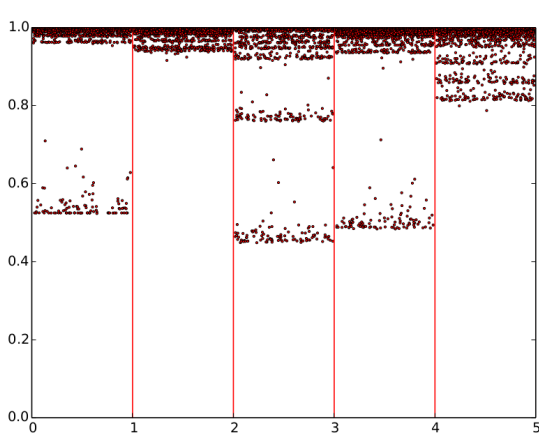
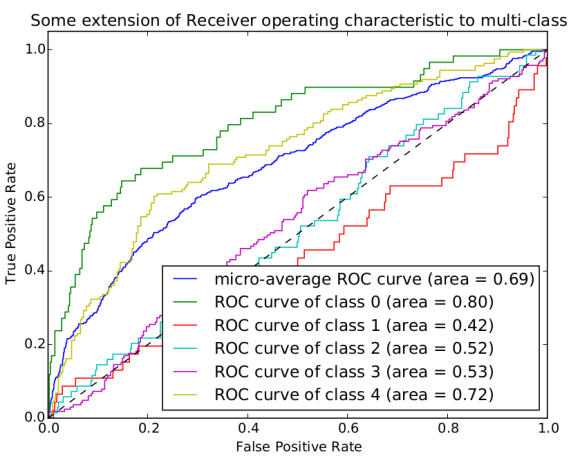
#	Features	ROC Curve	COS Distribution
1	[0, 1, 2, 3, 4, 5, 8]		
2	[0, 1, 2, 3, 4, 5, 8, 9, 10, 11]		
3	[0, 1, 2, 3, 4, 5, 8, 14, 15, 16, 17, 18, 19]		

4	[0, 1, 2, 3, 4, 5, 8, 9, 10, 11, 14, 15, 16, 17, 18, 19]	<p>Some extension of Receiver operating characteristic to multi-class</p>  <p>       micro-average ROC curve (area = 0.69)        ROC curve of class 0 (area = 0.81)        ROC curve of class 1 (area = 0.52)        ROC curve of class 2 (area = 0.55)        ROC curve of class 3 (area = 0.57)        ROC curve of class 4 (area = 0.72)     </p>	
5	[6, 7, 8]	<p>Some extension of Receiver operating characteristic to multi-class</p>  <p>       micro-average ROC curve (area = 0.68)        ROC curve of class 0 (area = 0.80)        ROC curve of class 1 (area = 0.54)        ROC curve of class 2 (area = 0.52)        ROC curve of class 3 (area = 0.58)        ROC curve of class 4 (area = 0.68)     </p>	
6	[6, 7, 8, 9, 10, 11]	<p>Some extension of Receiver operating characteristic to multi-class</p>  <p>       micro-average ROC curve (area = 0.59)        ROC curve of class 0 (area = 0.76)        ROC curve of class 1 (area = 0.37)        ROC curve of class 2 (area = 0.48)        ROC curve of class 3 (area = 0.57)        ROC curve of class 4 (area = 0.64)     </p>	

7	[6, 7, 8, 14, 15, 16, 17, 18, 19]	<p>Some extension of Receiver operating characteristic to multi-class</p>  <p>— micro-average ROC curve (area = 0.69)  — ROC curve of class 0 (area = 0.77)  — ROC curve of class 1 (area = 0.45)  — ROC curve of class 2 (area = 0.55)  — ROC curve of class 3 (area = 0.55)  — ROC curve of class 4 (area = 0.68)</p>	
8	[6, 7, 8, 9, 10, 11, 14, 15, 16, 17, 18, 19]	<p>Some extension of Receiver operating characteristic to multi-class</p>  <p>— micro-average ROC curve (area = 0.69)  — ROC curve of class 0 (area = 0.75)  — ROC curve of class 1 (area = 0.44)  — ROC curve of class 2 (area = 0.56)  — ROC curve of class 3 (area = 0.54)  — ROC curve of class 4 (area = 0.69)</p>	
9	[12, 13, 8]	<p>Some extension of Receiver operating characteristic to multi-class</p>  <p>— micro-average ROC curve (area = 0.60)  — ROC curve of class 0 (area = 0.82)  — ROC curve of class 1 (area = 0.47)  — ROC curve of class 2 (area = 0.54)  — ROC curve of class 3 (area = 0.45)  — ROC curve of class 4 (area = 0.65)</p>	

10	[12, 13, 8, 9, 10, 11]	<p>Some extension of Receiver operating characteristic to multi-class</p>  <p>       micro-average ROC curve (area = 0.68)        ROC curve of class 0 (area = 0.79)        ROC curve of class 1 (area = 0.55)        ROC curve of class 2 (area = 0.49)        ROC curve of class 3 (area = 0.55)        ROC curve of class 4 (area = 0.69)     </p>	
11	[12, 13, 8, 14, 15, 16, 17, 18, 19]	<p>Some extension of Receiver operating characteristic to multi-class</p>  <p>       micro-average ROC curve (area = 0.69)        ROC curve of class 0 (area = 0.84)        ROC curve of class 1 (area = 0.52)        ROC curve of class 2 (area = 0.50)        ROC curve of class 3 (area = 0.57)        ROC curve of class 4 (area = 0.69)     </p>	
12	[12, 13, 8, 9, 10, 11, 14, 15, 16, 17, 18, 19]	<p>Some extension of Receiver operating characteristic to multi-class</p>  <p>       micro-average ROC curve (area = 0.68)        ROC curve of class 0 (area = 0.81)        ROC curve of class 1 (area = 0.51)        ROC curve of class 2 (area = 0.51)        ROC curve of class 3 (area = 0.55)        ROC curve of class 4 (area = 0.70)     </p>	



13	[20, 21, 22, 23, 24]	<p>Some extension of Receiver operating characteristic to multi-class</p>  <p>       micro-average ROC curve (area = 0.72)        ROC curve of class 0 (area = 0.85)        ROC curve of class 1 (area = 0.63)        ROC curve of class 2 (area = 0.59)        ROC curve of class 3 (area = 0.53)        ROC curve of class 4 (area = 0.75)     </p>	
14	[20, 21, 22, 23, 24, 9, 10, 11]	<p>Some extension of Receiver operating characteristic to multi-class</p>  <p>       micro-average ROC curve (area = 0.71)        ROC curve of class 0 (area = 0.85)        ROC curve of class 1 (area = 0.45)        ROC curve of class 2 (area = 0.54)        ROC curve of class 3 (area = 0.53)        ROC curve of class 4 (area = 0.75)     </p>	
15	[20, 21, 22, 23, 24, 14, 15, 16, 17, 18, 19]	<p>Some extension of Receiver operating characteristic to multi-class</p>  <p>       micro-average ROC curve (area = 0.69)        ROC curve of class 0 (area = 0.80)        ROC curve of class 1 (area = 0.42)        ROC curve of class 2 (area = 0.52)        ROC curve of class 3 (area = 0.53)        ROC curve of class 4 (area = 0.72)     </p>	