Washington Dataset Report Summary Saurabh Katkar (A20320336)

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Summary:

This report details on the execution process pertaining to the performance of ICA's relational classifier using the Washington dataset.

The project gives out the data in the form of 'project', 'course', 'student', 'faculty', 'staff'.

Dataset: Washington

Report Data for Phase 1

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1. For sklearn.naive bayes.MultinomialNB
['project', 'course', 'student', 'faculty', 'staff']
[0.82608695652173914, 0.91304347826086951, 0.78260869565217395, 0.73913043478260865,
0.65217391304347827, 0.78260869565217395, 0.73913043478260865, 0.91304347826086951,
0.78260869565217395, 0.869565217391304321
Mean accuracy: 0.8000 +- 0.0783
   9 1 8 3
                  01
   0 58 4 4
                  0 ]
   4 1 100 2 0]
 r 0 0 10 17
                  0 ]
 8 0 0 ]
             1
                  011
```

2. For sklearn.svm.SVC

3. For sklearn.linear_model.LogisticRegression

Report Data for Phase 2

Aggregate= Count						
Budget	False, False	False, True	True, False	True, True		
0.1	0.399516908	0.662801932	0.399516908	0.662801932		
0.2	0.469021739	0.770108696	0.469021739	0.770108696		
0.3	0.463975155	0.769565217	0.463975155	0.769565217		
0.4	0.463043478	0.793478261	0.463043478	0.793478261		
0.6	0.459782609	0.819565217	0.459782609	0.819565217		
0.7	0.460869565	0.839130435	0.460869565	0.839130435		
0.8	0.432608696	0.854347826	0.432608696	0.854347826		
0.9	0.465217391	0.891304348	0.465217391	0.891304348		

Aggregate= Prop						
Budget	False, False	False, True	True, False	True, True		
0.1	0.399516908	0.662801932	0.399516908	0.662801932		
0.2	0.469021739	0.770108696	0.469021739	0.770108696		
0.3	0.463975155	0.769565217	0.463975155	0.769565217		
0.4	0.463043478	0.793478261	0.463043478	0.793478261		
0.6	0.459782609	0.819565217	0.459782609	0.819565217		

0.7	0.460869565	0.839130435	0.460869565	0.839130435
0.8	0.432608696	0.854347826	0.432608696	0.854347826
0.9	0.465217391	0.891304348	0.465217391	0.891304348

Aggregate= Exist						
Budget	False, False	False, True	True, False	True, True		
0.1	0.399516908	0.662801932	0.399516908	0.662801932		
0.2	0.469021739	0.770108696	0.469021739	0.770108696		
0.3	0.463975155	0.769565217	0.463975155	0.769565217		
0.4	0.463043478	0.793478261	0.463043478	0.793478261		
0.6	0.459782609	0.819565217	0.459782609	0.819565217		
0.7	0.460869565	0.839130435	0.460869565	0.839130435		
0.8	0.432608696	0.854347826	0.432608696	0.854347826		
0.9	0.465217391	0.891304348	0.465217391	0.891304348		

Report Data for Phase 3

Aggregate= Count						
Budget	False, False	False, True	True, False	True, True		
0.1	0.399516908	0.662801932	0.399516908	0.662801932		
0.2	0.469021739	0.770108696	0.469021739	0.770108696		
0.3	0.463975155	0.769565217	0.463975155	0.769565217		
0.4	0.463043478	0.793478261	0.463043478	0.793478261		
0.6	0.459782609	0.819565217	0.459782609	0.819565217		
0.7	0.460869565	0.839130435	0.460869565	0.839130435		
0.8	0.432608696	0.854347826	0.432608696	0.854347826		
0.9	0.465217391	0.891304348	0.465217391	0.891304348		

Aggregate= Prop								
Budget	Fals	e, False	False,	True	True,	False	True,	True
0.:	L	0.399516908		0.662801932		0.399516908		0.662801932
0.7	2	0.469021739		0.770108696		0.469021739		0.770108696
0.3	3	0.463975155		0.769565217		0.463975155		0.769565217
0.4	1	0.463043478		0.793478261		0.463043478		0.793478261

0.6	0.459782609	0.819565217	0.459782609	0.819565217
0.7	0.460869565	0.839130435	0.460869565	0.839130435
0.8	0.432608696	0.854347826	0.432608696	0.854347826
0.9	0.465217391	0.891304348	0.465217391	0.891304348

Aggregate= Exist						
Budget	False, False	False, True	True, False	True, True		
0.1	0.399516908	0.662801932	0.399516908	0.662801932		
0.2	0.469021739	0.770108696	0.469021739	0.770108696		
0.3	0.463975155	0.769565217	0.463975155	0.769565217		
0.4	0.463043478	0.793478261	0.463043478	0.793478261		
0.6	0.459782609	0.819565217	0.459782609	0.819565217		
0.7	0.460869565	0.839130435	0.460869565	0.839130435		
0.8	0.432608696	0.854347826	0.432608696	0.854347826		
0.9	0.465217391	0.891304348	0.465217391	0.891304348		