Move Class

Coeficiente	Ant			ArgoUML			Collections			Hibernate			JEdit		
	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3
Baroni-Urbani and Buser	29,24%	33,73%	37,33%	16,59%%	28,20%	31,51%	45,27%	72,43%	81,07%	21,89%	30,53%	35,38%	26,81%	47,10%	56,28%
Dot-product	37,18%	45,88%	50,52%	32,98%	40,39%	45,37%	60,08%	80,25%	86,83%	45,68%	58,37%	63,46%	54,11%	65,22%	72,22%
Hamann	23,99%	30,28%	31,63%	21,46%	25,76%	27,12%	43,62%	51,03%	55,14%	14,41%	17,54%	18,52%	13,29%	14,73%	17,15%
Jaccard	41,23%	48,13%	52,47%	35,32%	42,44%	47,51%	63,37%	80,25%	89,30%	48,99%	60,94%	65,85%	55,80%	66,43%	72,95%
Kulczynski	39,43%	45,28%	51,12%	32,59%	40,88%	45,85%	58,85%	76,54%	85,60%	43,78%	58,55%	63,09%	49,52%	63,77%	71,50%
Ochiai	38,98%	47,68%	51,12%	32,59%	40,98%	45,85%	58,44%	79,01%	86,83%	45,74%	59,47%	64,56%	53,14%	65,46%	71,98%
Phi	39,43%	47,68%	51,12%	32,59%	41,07%	46,15%	58,44%	79,01%	85,60%	45,74%	59,53%	64,56%	53,14%	64,98%	71,74%
PSC	45,28%	52,47%	59,82%	38,34%	48,20%	52,39%	62,96%	81,48%	90,12%	54,02%	66,03%	71,92%	58,70%	67,87%	79,23%
Relative Matching	26,24%	33,58%	39,13%	22,93%	35,51%	39,90%	56,79%	76,54%	83,95%	29,98%	46,11%	53,28%	41,06%	54,11%	63,53%
Rogers and Tanimoto	23,99%	30,43%	31,63%	21,46%	26,05%	27,32%	43,62%	51,44%	55,14%	14,47%	17,54%	18,58%	13,29%	14,73%	17,39%
Russell and Rao	30,43%	39,73%	45,73%	29,27%	41,46%	45,37%	60,08%	81,89%	87,65%	37,16%	54,32%	61,31%	47,34%	62,08%	70,77%
Simple matching	23,99%	30,28%	31,48%	21,46%	25,76%	27,02%	43,62%	51,03%	55,14%	14,35%	17,54%	18,52%	13,29%	14,73%	17,15%
Sokal and Sneath	23,99%	29,39%	31,33%	21,46%	25,76%	27,02%	43,62%	50,62%	55,14%	14,16%	17,35%	18,27%	12,56%	14,49%	16,91%
Sokal and Sneath 2	42,43%	49,48%	53,52%	37,17%	45,37%	49,17%	62,96%	80,66%	88,89%	50,89%	61,93%	67,32%	57,00%	66,67%	73,19%
Sokal and Sneath 4	39,43%	45,28%	50,97%	32,68%	40,98%	45,85%	58,85%	75,72%	84,77%	43,96%	58,55%	63,09%	50,24%	63,53%	71,50%
Sokal binary distance	25,34%	31,33%	33,13%	22,73%	26,34%	27,80%	44,44%	52,67%	57,61%	16,31%	20,48%	21,46%	14,01%	17,15%	20,53%
Sorenson	37,18%	45,88%	50,52%	32,98%	40,39%	45,37%	60,08%	80,25%	86,83%	45,68%	58,37%	63,46%	54,11%	65,22%	72,22%
Yule	22,64%	26,84%	29,24%	5,66%	8,98%	11,80%	43,21%	62,55%	74,49%	14,65%	21,89%	26,36%	21,01%	35,02%	43,48%

Move Method

Coeficiente	Ant			ArgoUML			Collections			Hibernate			JEdit		
	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3
Baroni-Urbani and Buser	11,71%	15,62%	17,28%	5,93%	9,31%	11,86%	21,71%	27,13%	29,92%	12,18%	17,19%	20,17%	13,70%	17,57%	22,57%
Dot-product	18,63%	26,35%	30,16%	15,15%	22,29%	26,92%	32,87%	40,16%	45,74%	24,62%	33,29%	39,36%	26,17%	35,29%	42,45%
Hamann	12,07%	19,70%	21,59%	8,57%	12,70%	16,82%	22,33%	27,75%	32,87%	14,64%	19,23%	21,59%	16,23%	21,23%	26,84%
Jaccard	21,27%	28,99%	33,26%	19,60%	27,66%	31,79%	38,29%	46,82%	51,16%	27,32%	36,48%	43,09%	29,83%	39,52%	47,14%
Kulczynski	15,08%	23,61%	27,33%	12,42%	19,74%	25,39%	22,79%	29,30%	34,26%	16,09%	22,74%	27,82%	18,29%	27,46%	36,27%
Ochiai	18,36%	26,08%	29,67%	14,27%	21,59%	26,27%	27,91%	35,19%	40,93%	22,26%	30,69%	36,28%	22,31%	32,56%	39,88%
Phi	18,40%	26,17%	29,67%	14,23%	21,50%	26,32%	27,75%	35,19%	40,93%	22,22%	30,61%	36,18%	22,31%	32,56%	39,88%
PSC	22,80%	31,69%	36,31%	21,83%	30,72%	35,40%	35,66%	46,05%	51,32%	27,66%	37,34%	44,57%	29,68%	41,78%	50,80%
Relative Matching	15,13%	20,78%	22,98%	11,86%	17,42%	20,85%	31,01%	38,45%	42,95%	19,75%	27,68%	32,83%	17,98%	25,45%	31,27%
Rogers and Tanimoto	12,39%	19,93%	21,81%	9,08%	12,79%	17,10%	22,33%	28,06%	33,02%	14,74%	19,47%	21,83%	16,33%	21,43%	27,25%
Russell and Rao	18,94%	26,53%	29,76%	18,72%	25,81%	29,80%	41,40%	49,77%	53,95%	26,00%	35,62%	41,55%	25,14%	36,22%	44,20%
Simple matching	12,21%	19,66%	21,54%	8,85%	12,65%	16,68%	22,02%	27,91%	32,71%	14,40%	19,15%	21,43%	16,28%	21,28%	26,79%
Sokal and Sneath	11,27%	18,99%	20,92%	8,25%	12,33%	16,36%	21,40%	27,44%	32,09%	13,86%	18,63%	20,93%	15,82%	20,71%	26,12%
Sokal and Sneath 2	23,43%	31,78%	36,36%	22,98%	31,23%	34,80%	40,78%	49,92%	53,64%	30,13%	39,28%	46,25%	32,20%	43,64%	50,95%
Sokal and Sneath 4	15,08%	23,65%	27,29%	12,47%	19,83%	25,35%	22,64%	29,15%	34,26%	16,01%	22,64%	27,68%	18,29%	27,51%	36,27%
Sokal binary distance	14,90%	21,68%	24,64%	13,53%	18,07%	21,69%	23,72%	30,85%	37,05%	16,65%	21,67%	24,12%	17,21%	23,60%	31,22%
Sorenson	18,63%	26,35%	30,16%	15,15%	22,29%	26,92%	32,87%	40,16%	45,74%	24,62%	33,29%	39,36%	26,17%	35,29%	42,45%
Yule	7,09%	11,98%	13,73%	4,12%	6,16%	8,57%	12,71%	17,98%	22,64%	6,05%	9,70%	12,58%	7,88%	14,12%	18,13%

Extact Method

Coeficiente	Ant	ArgoUML	Collections	Hibernate	JEdit
	Acertos	Acertos	Acertos	Acertos	Acertos
Baroni-Urbani and Buser	48,95%	52,46%	36,63%	59,75%	49,62%
Dot-product	51,83%	54,36%	37,21%	67,20%	55,22%
Hamann	12,65%	11,45%	40,70%	8,68%	9,29%
Jaccard	53,95%	57,54%	45,93%	71,45%	56,99%
Kulczynski	63,65%	61,36%	44,19%	77,15%	64,67%
Ochiai	56,07%	57,15%	40,12%	71,97%	58,83%
Phi	56,12%	56,97%	40,12%	71,88%	58,76%
PSC	59,54%	59,41%	48,84%	76,99%	61,21%
Relative Matching	65,48%	71,39%	40,12%	77,09%	64,21%
Rogers and Tanimoto	12,65%	11,28%	40,70%	8,65%	8,99%
Russell and Rao	72,69%	77,86%	43,02%	84,45%	72,58%
Simple matching	12,65%	11,34%	40,70%	8,75%	9,29%
Sokal and Sneath	12,56%	11,39%	40,12%	8,65%	9,29%
Sokal and Sneath 2	57,26%	59,53%	63,37%	75,76%	62,14%
Sokal and Sneath 4	63,61%	61,13%	43,02%	77,12%	64,44%
Sokal binary distance	21,37%	17,86%	45,93%	15,86%	16,51%
Sorenson	51,83%	54,36%	37,21%	67,20%	55,22%
Yule	55,75%	54,30%	41,28%	60,89%	53,76%

Move Class

Coeficiente	JFreeChart			JHotDraw			JMeter			JUnit			TomCat			Média		
	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3
Baroni-Urbani and Buser	38,16%	46,71%	50,66%	32,22%	48,33%	54,03%	22,44%	30,88%	34,47%	18,67%	44,00%	52,00%	27,02%	36,79%	43,55%	27,83%	41,87%	47,63%
Dot-product	45,18%	53,07%	61,84%	45,78%	60,31%	67,39%	34,65%	44,17%	50,27%	36,00%	57,33%	62,67%	44,27%	54,04%	62,00%	43,59%	55,90%	62,26%
Hamann	26,75%	32,46%	38,82%	13,75%	19,45%	23,18%	15,62%	20,11%	21,18%	18,67%	34,67%	45,33%	11,94%	15,32%	16,04%	20,35%	26,13%	29,41%
Jaccard	46,05%	55,48%	64,69%	47,94%	62,87%	69,16%	35,37%	47,58%	54,22%	36,00%	61,33%	62,67%	46,56%	57,54%	63,81%	45,66%	58,30%	64,26%
Kulczynski	45,39%	54,82%	62,94%	42,63%	60,31%	65,62%	32,85%	44,17%	50,81%	29,33%	56,00%	64,00%	34,14%	50,66%	61,04%	40,85%	55,10%	62,16%
Ochiai	44,96%	54,17%	61,62%	44,99%	60,71%	66,99%	35,73%	44,88%	52,24%	37,33%	58,67%	64,00%	42,82%	54,76%	63,09%	43,47%	56,58%	62,83%
Phi	45,61%	54,39%	61,62%	45,38%	60,71%	67,39%	35,55%	45,42%	52,24%	34,67%	58,67%	62,67%	42,22%	55,01%	63,33%	43,28%	56,65%	62,64%
PSC	50,44%	60,75%	71,71%	48,13%	67,19%	74,26%	42,55%	53,14%	62,48%	42,67%	61,33%	65,33%	48,85%	63,33%	70,93%	49,19%	62,18%	69,82%
Relative Matching	39,47%	45,83%	52,19%	37,33%	52,06%	59,72%	26,21%	32,14%	37,88%	25,33%	45,33%	53,33%	36,67%	46,08%	52,23%	34,20%	46,73%	53,52%
Rogers and Tanimoto	26,75%	32,46%	39,04%	13,75%	19,84%	23,38%	15,80%	20,29%	21,36%	18,67%	34,67%	45,33%	11,94%	15,68%	16,41%	20,37%	26,31%	29,56%
Russell and Rao	41,89%	49,34%	57,46%	43,81%	56,78%	63,46%	31,60%	40,93%	46,68%	28,00%	52,00%	61,33%	43,43%	54,28%	60,92%	39,30%	53,28%	60,07%
Simple matching	26,54%	32,24%	38,60%	13,56%	19,84%	23,38%	15,80%	20,11%	21,01%	16,00%	33,33%	45,33%	12,06%	15,44%	16,28%	20,07%	26,03%	29,39%
Sokal and Sneath	26,54%	32,24%	38,38%	13,56%	19,45%	22,59%	15,26%	19,39%	20,29%	14,67%	33,33%	44,00%	11,22%	14,48%	15,44%	19,70%	25,65%	28,94%
Sokal and Sneath 2	47,81%	58,55%	66,89%	47,35%	64,83%	71,12%	38,06%	49,19%	57,09%	38,67%	61,33%	62,67%	47,65%	58,87%	65,26%	47,00%	59,69%	65,51%
Sokal and Sneath 4	45,61%	55,04%	63,16%	43,03%	60,71%	66,40%	32,85%	44,34%	50,99%	30,67%	56,00%	64,00%	34,14%	50,66%	61,04%	41,15%	55,08%	62,18%
Sokal binary distance	29,39%	35,31%	41,01%	14,93%	20,43%	26,33%	18,13%	22,80%	23,88%	18,67%	37,33%	46,67%	14,72%	19,66%	20,87%	21,87%	28,35%	31,93%
Sorenson	45,18%	53,07%	61,84%	45,78%	60,31%	67,39%	34,65%	44,17%	50,27%	36,00%	57,33%	62,67%	44,27%	54,04%	62,00%	43,59%	55,90%	62,26%
Yule	32,68%	42,32%	45,83%	21,61%	33,60%	40,47%	8,80%	14,90%	18,49%	16,00%	32,00%	40,00%	13,75%	20,27%	26,78%	20,00%	29,84%	35,69%

Move Method

Coeficiente	JFreeChart			JHotDraw			JMeter			JUnit			TomCat			Média		
	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3	Top1	Top2	Top3
Baroni-Urbani and Buser	30,18%	47,73%	60,49%	14,98%	21,06%	24,74%	12,07%	17,40%	20,06%	22,77%	30,36%	39,29%	15,34%	20,49%	26,05%	16,06%	22,39%	27,24%
Dot-product	53,21%	65,67%	72,39%	29,04%	39,57%	46,68%	23,61%	31,12%	37,57%	35,27%	44,64%	55,80%	32,32%	43,58%	50,76%	29,09%	38,20%	44,78%
Hamann	25,56%	36,13%	42,85%	18,71%	26,33%	30,11%	14,08%	18,82%	22,43%	25,89%	31,25%	38,84%	20,56%	27,57%	31,48%	17,86%	24,07%	28,54%
Jaccard	55,44%	66,87%	72,77%	32,67%	43,56%	50,05%	26,69%	36,69%	42,13%	39,29%	50,45%	62,50%	36,70%	48,50%	55,04%	32,71%	42,55%	48,89%
Kulczynski	50,17%	66,18%	73,16%	24,90%	35,07%	42,74%	18,05%	25,86%	32,72%	32,14%	42,86%	53,57%	23,66%	33,27%	41,22%	23,36%	32,61%	39,45%
Ochiai	53,21%	67,29%	73,59%	28,12%	39,31%	46,22%	21,89%	30,12%	35,62%	33,48%	41,07%	55,36%	30,81%	41,25%	48,10%	27,26%	36,52%	43,19%
Phi	53,04%	67,42%	73,76%	28,17%	39,31%	46,32%	21,89%	30,18%	35,62%	33,48%	41,07%	54,02%	30,81%	41,19%	48,13%	27,23%	36,52%	43,08%
PSC	56,46%	67,12%	72,73%	34,41%	45,71%	52,81%	28,93%	39,76%	45,56%	40,18%	50,89%	63,39%	39,37%	51,13%	58,68%	33,70%	44,22%	51,16%
Relative Matching	45,46%	60,10%	66,52%	19,89%	28,12%	34,00%	18,28%	25,74%	30,77%	30,36%	40,63%	48,21%	23,86%	32,25%	39,00%	23,36%	31,66%	36,94%
Rogers and Tanimoto	25,64%	36,52%	43,24%	18,71%	26,48%	30,42%	14,44%	18,99%	22,54%	26,34%	31,25%	39,73%	20,66%	27,57%	31,55%	18,07%	24,25%	28,85%
Russell and Rao	48,76%	60,70%	67,34%	26,64%	36,04%	42,84%	26,21%	35,38%	40,77%	38,39%	51,79%	62,05%	33,13%	43,31%	50,66%	30,33%	40,12%	46,29%
Simple matching	25,34%	36,04%	42,77%	18,61%	26,28%	29,86%	14,32%	19,11%	22,60%	27,23%	32,14%	39,29%	20,16%	27,23%	31,11%	17,94%	24,15%	28,48%
Sokal and Sneath	24,23%	35,02%	41,91%	17,48%	25,41%	29,04%	13,02%	17,69%	21,18%	23,66%	30,36%	38,84%	19,82%	26,56%	30,20%	16,88%	23,31%	27,76%
Sokal and Sneath 2	57,71%	68,15%	73,12%	36,15%	46,88%	53,58%	30,06%	40,12%	45,74%	42,41%	53,57%	64,29%	41,59%	51,97%	58,65%	35,74%	45,65%	51,74%
Sokal and Sneath 4	50,21%	66,05%	73,03%	24,90%	35,07%	42,79%	17,99%	25,80%	32,66%	32,14%	41,96%	52,68%	23,59%	33,20%	41,22%	23,33%	32,49%	39,32%
Sokal binary distance	34,03%	47,60%	54,07%	21,11%	29,60%	35,28%	17,81%	23,85%	27,93%	28,57%	32,14%	41,52%	24,50%	30,57%	35,02%	21,20%	27,96%	33,25%
Sorenson	53,21%	65,67%	72,39%	29,04%	39,57%	46,68%	23,61%	31,12%	37,57%	35,27%	44,64%	55,80%	32,32%	43,58%	50,76%	29,09%	38,20%	44,78%
Yule	20,25%	30,61%	39,43%	7,57%	11,91%	15,24%	8,28%	12,96%	16,63%	11,16%	23,21%	36,16%	7,04%	12,67%	17,93%	9,22%	15,13%	20,10%

Extact Method

Coeficiente	JFreeChart	JHotDraw	JMeter	JUnit	TomCat	Média
	Acertos	Acertos	Acertos	Acertos	Acertos	Acertos
Baroni-Urbani and Buser	42,18%	60,95%	60,09%	57,14%	57,93%	52,57%
Dot-product	55,54%	65,49%	62,93%	64,29%	65,89%	58,00%
Hamann	7,35%	19,01%	9,05%	28,57%	9,13%	15,59%
Jaccard	61,87%	67,68%	63,97%	71,43%	70,03%	62,09%
Kulczynski	71,12%	68,70%	70,60%	71,43%	72,36%	66,52%
Ochiai	61,05%	68,23%	66,38%	71,43%	68,74%	62,00%
Phi	60,99%	68,15%	66,38%	71,43%	68,64%	61,94%
PSC	71,69%	72,07%	67,41%	71,43%	73,25%	66,18%
Relative Matching	74,79%	73,71%	73,10%	71,43%	80,39%	69,17%
Rogers and Tanimoto	7,41%	19,01%	9,05%	28,57%	9,31%	15,56%
Russell and Rao	83,03%	77,23%	80,00%	71,43%	85,65%	74,79%
Simple matching	7,28%	19,01%	8,79%	28,57%	9,28%	15,57%
Sokal and Sneath	7,28%	19,01%	8,79%	28,57%	9,03%	15,47%
Sokal and Sneath 2	70,11%	73,94%	67,59%	71,43%	73,80%	67,49%
Sokal and Sneath 4	70,74%	68,62%	70,34%	71,43%	72,33%	66,28%
Sokal binary distance	11,78%	24,02%	18,62%	28,57%	16,97%	21,75%
Sorenson	55,54%	65,49%	62,93%	64,29%	65,89%	58,00%
Yule	46,11%	62,91%	62,24%	57,14%	60,05%	55,44%