

Graphical Approach						Textual Approach					Reference Models (Instruments)		
Subject	Retrieved Items	Relevant Items	Precision (%)	Recall (%)	F-Measure (%)	Retrieved Items	Relevant Items	Precision (%)	Recall (%)	F-Measure (%)	DIF	Graphical	
1	44	37	84.09	77.08	80.43	44	37	84.09	90.24	87.06	6.62	Model1 Model2	
2	41	35	85.37	72.92	78.65	65	38	58.46	92.68	71.70	-6.95	Entities	7 9
3	32	30	93.75	75.00	83.33	49	43	87.76	87.76	87.76	4.42	Binary relationship	3 4
4	46	41	89.13	85.42	87.23	37	35	94.59	85.37	89.74	2.51	Ternary relationship	1 1
5	43	37	86.05	92.50	89.16	44	39	88.64	79.59	83.87	-5.29	Self-relationship	1 1
6	34	30	88.24	62.50	73.17	42	32	76.19	78.05	77.11	3.94	Cardinalities	6 7
7	49	42	85.71	87.50	86.60	36	34	94.44	82.93	88.31	1.71	Attributes	20 23
8	45	39	86.67	81.25	83.87	34	32	94.12	78.05	85.33	1.46	Specialization	2 3
9	45	40	88.89	83.33	86.02	37	33	89.19	80.49	84.62	-1.41	TOTAL	40 48
10	34	30	88.24	75.00	81.08	48	40	83.33	81.63	82.47	1.39	Textual	
11	43	36	83.72	75.00	79.12	38	34	89.47	82.93	86.08	6.96	Model1 Model2	
12	46	41	89.13	85.42	87.23	38	36	94.74	87.80	91.14	3.91	Entities	7 9
13	42	36	85.71	90.00	87.80	46	41	89.13	83.67	86.32	-1.49	Binary relationship	3 4
14	38	30	78.95	75.00	76.92	45	37	82.22	75.51	78.72	1.80	Ternary relationship	1 1
15	46	39	84.78	81.25	82.98	44	36	81.82	87.80	84.71	1.73	Self-relationship	1 1
16	43	37	86.05	77.08	81.32	40	35	87.50	85.37	86.42	5.10	Cardinalities	6 7
17	36	31	86.11	77.50	81.58	41	35	85.37	71.43	77.78	-3.80	Attributes	20 23
18	49	39	79.59	81.25	80.41	41	35	85.37	85.37	85.37	4.95	Specialization	2 3
19	27	23	85.19	57.50	68.66	54	33	61.11	80.49	69.47	0.82	Domain	1 1
20	36	31	86.11	64.58	73.81	60	36	60.00	87.80	71.29	-2.52	TOTAL	41 49
21	39	35	89.74	72.92	80.46	40	36	90.00	87.80	88.89	8.43		
22	34	31	91.18	77.50	83.78	47	39	82.98	79.59	81.25	-2.53		
23	48	44	91.67	91.67	91.67	42	37	88.10	90.24	89.16	-2.51		
24	38	31	81.58	77.50	79.49	44	34	77.27	69.39	73.12	-6.37		
25	49	35	71.43	87.50	78.65	60	45	75.00	91.84	82.57	3.92		

General	Retrieved Items	Relevant Items	Precision (%)	Recall (%)	F-Measure	Retrieved Items	Relevant Items	Precision (%)	Recall (%)	F-Measure
Minimum	27.00	23.00	71.43	57.50	68.66	34.00	32.00	58.46	69.39	69.47
1° Quartile	36.00	31.00	84.78	75.00	79.12	40.00	34.00	81.82	79.59	78.72
Average	41.08	35.20	85.88	78.57	81.74	44.64	36.48	83.24	83.35	82.81
Median	43.00	36.00	86.05	77.50	81.32	44.00	36.00	85.37	83.67	84.71
3° Quartile	46.00	39.00	88.89	85.42	86.02	47.00	38.00	89.19	87.80	87.06
Maximum	49.00	44.00	93.75	92.50	91.67	65.00	45.00	94.74	92.68	91.14
Variance	34.63	23.84	20.21	72.57	26.91	59.59	10.25	102.43	34.72	37.18
Std Deviation	5.89	4.88	4.50	8.52	5.19	7.72	3.20	10.12	5.89	6.10