

CYBERGATE: A DESIGN FRAMEWORK AND SYSTEM FOR TEXT ANALYSIS OF COMPUTER-MEDIATED COMMUNICATION — FIGURES

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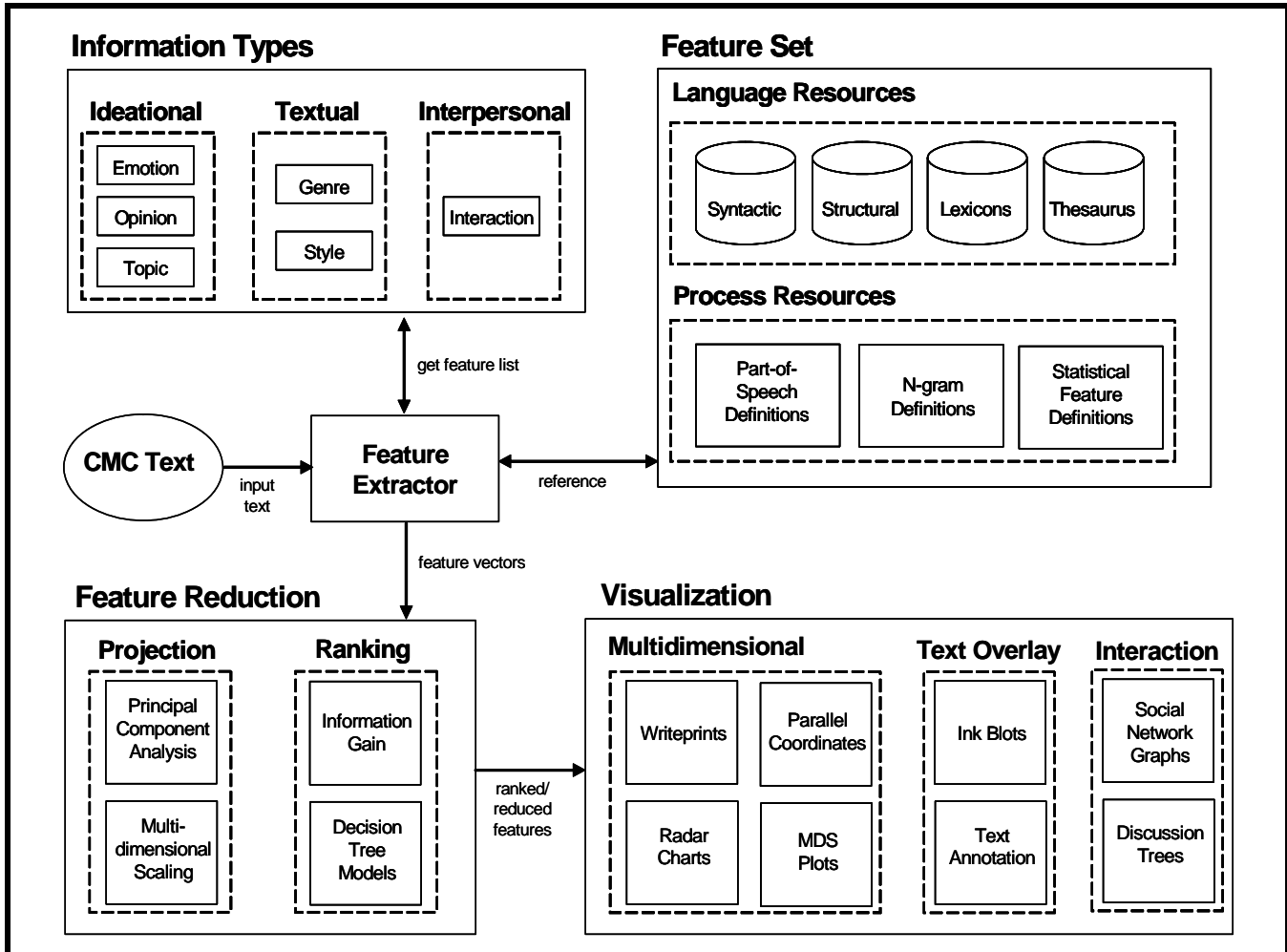


Figure 1. CyberGate System Design

(a) All Features				(b) Projection		(c) Ranking	
No.	Description	Usage	Mean	Ex	Ey	Description	Weight
0	MARK	0.726	0.054	0.278	0.103	PANDA	60.71
1	COUNSELEN...	0.526	0.011	0.099	-0.355	DEVIL	28.85
2	GENERAL	0.526	0.023	0.019	-0.095	LATERAL	18.9
3	PRESIDENT	0.526	0.017	0.227	0.323	KH	14.43
4	TAYLORVICE	0.526	0.011	0.22	0.33	THROUGHPUT	12.14
5	WHOLESALE	0.526	0.041	-0.15	0.06	TW	10.95
6	SERVICES	0.368	0.035	0.152	0.052	SUN	18.9
7	TIME	0.284	0.165	0.247	0.118	GAS	28.85
8	FAX	0.274	0.038	0.078	-0.186	PIPELINE	18.9
9	SMITH	0.274	0.085	0.309	0.013	EVI	21.86
10	TEXAS	0.263	0.095	0.305	0.0040	ECT	5.93
11	STREET	0.253	0.083	0.0080	-0.201	HAT	1.29
12	PARTY	0.221	0.04			ATE	1.0

Figure 2. CyberGate Feature Selection Examples

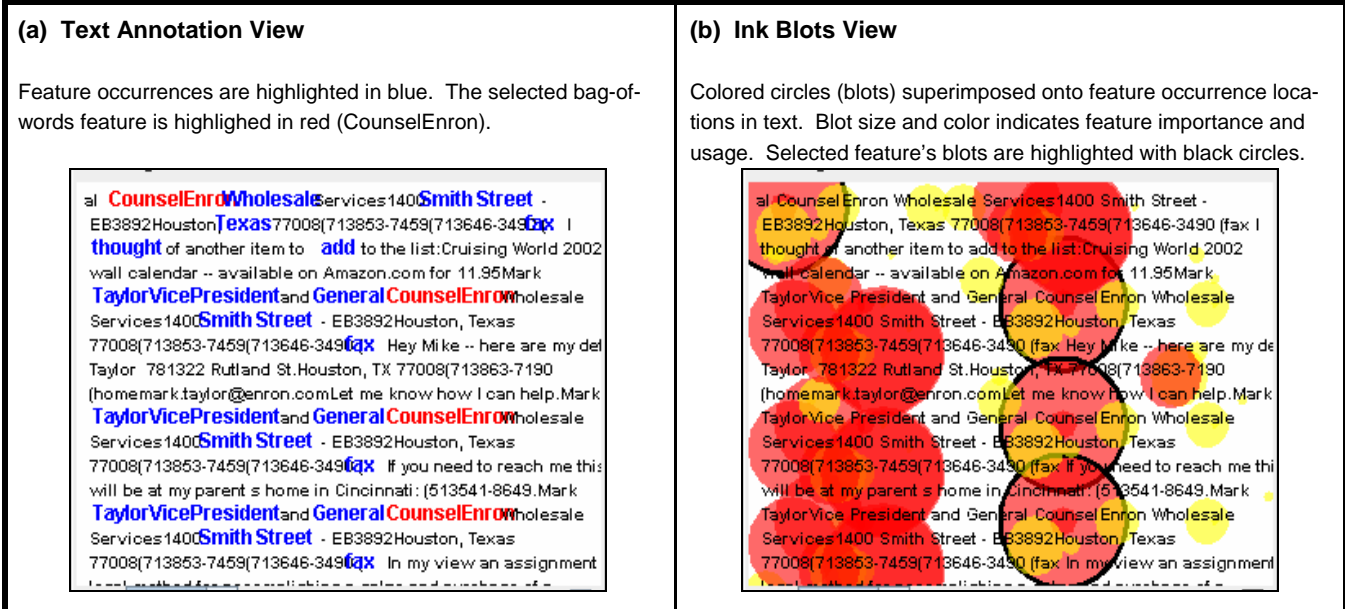


Figure 4. Text Overlay Views in CyberGate

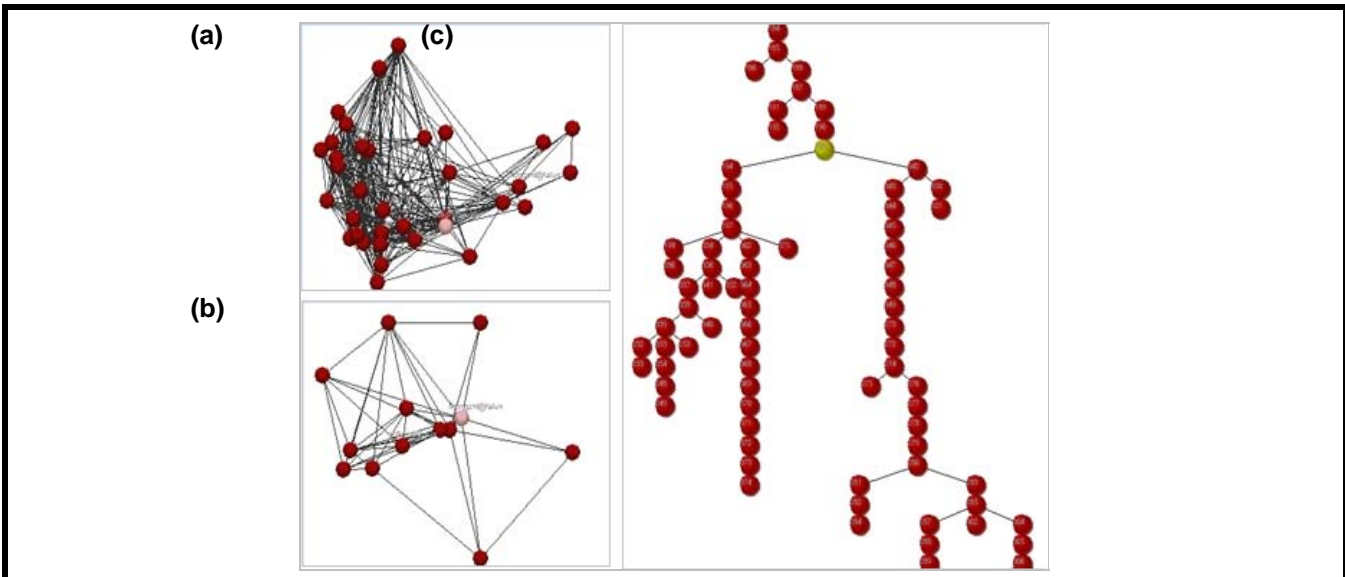


Figure 5. Interaction Views in CyberGate for Representing Interpersonal Information

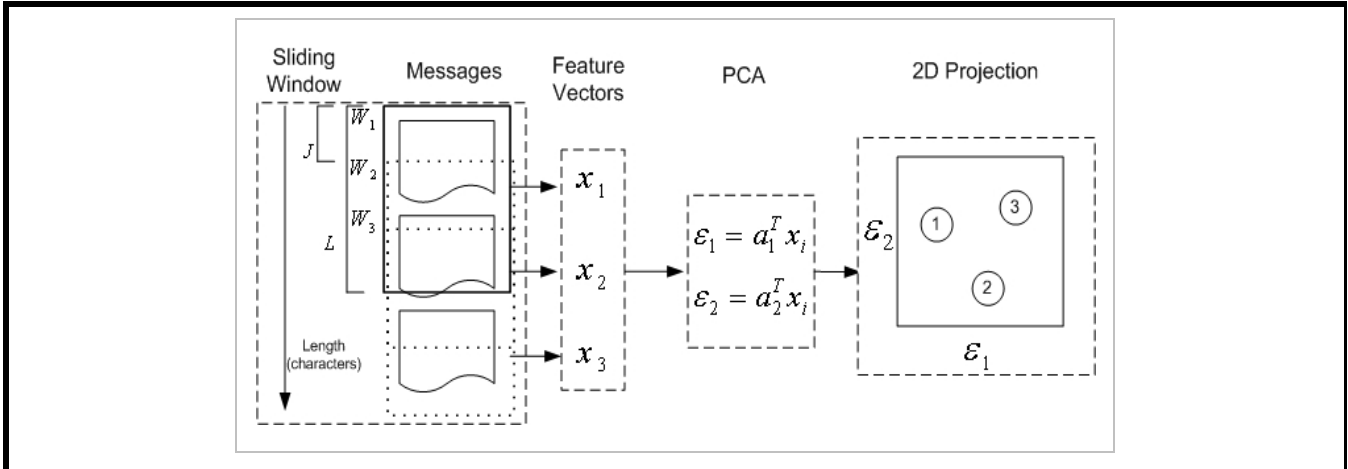


Figure 6. Writenprints Process Illustration on Two Dimensions

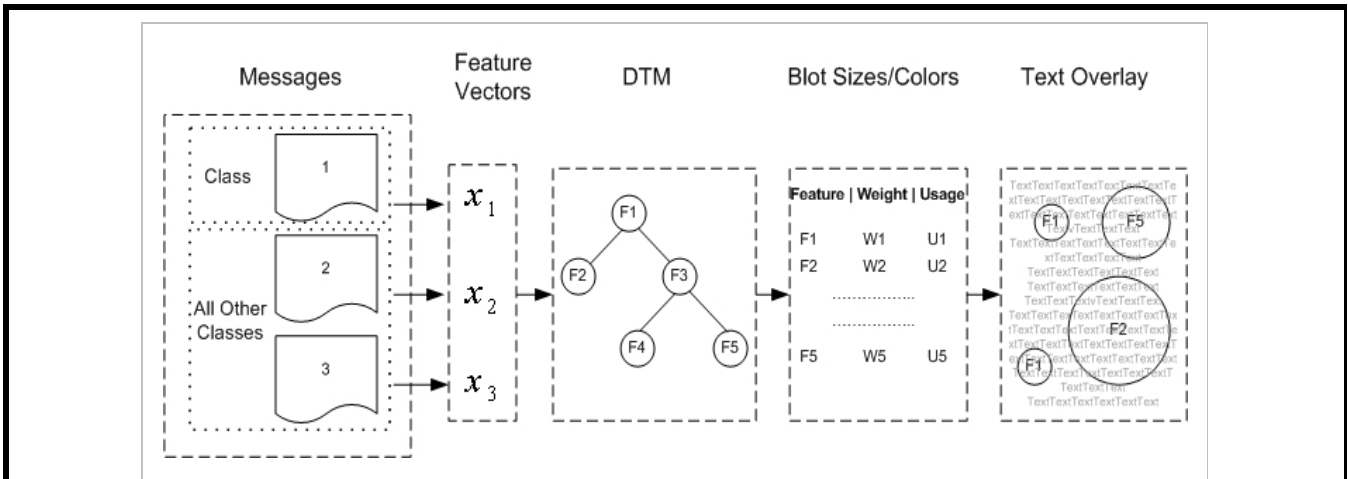


Figure 7. Ink Blots Process Illustration

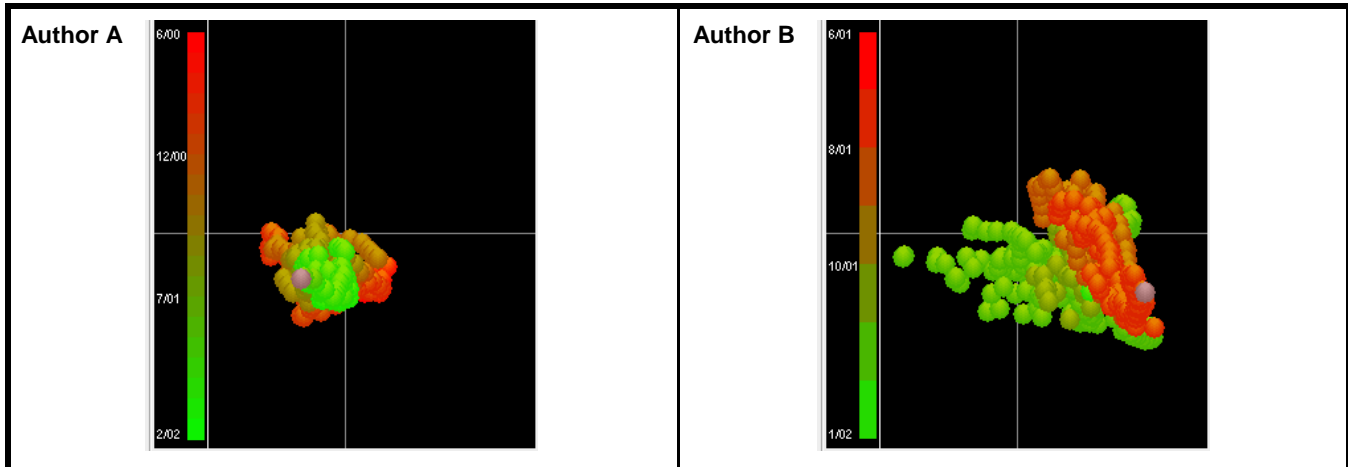


Figure 8. Writeprints for Two Enron Employees

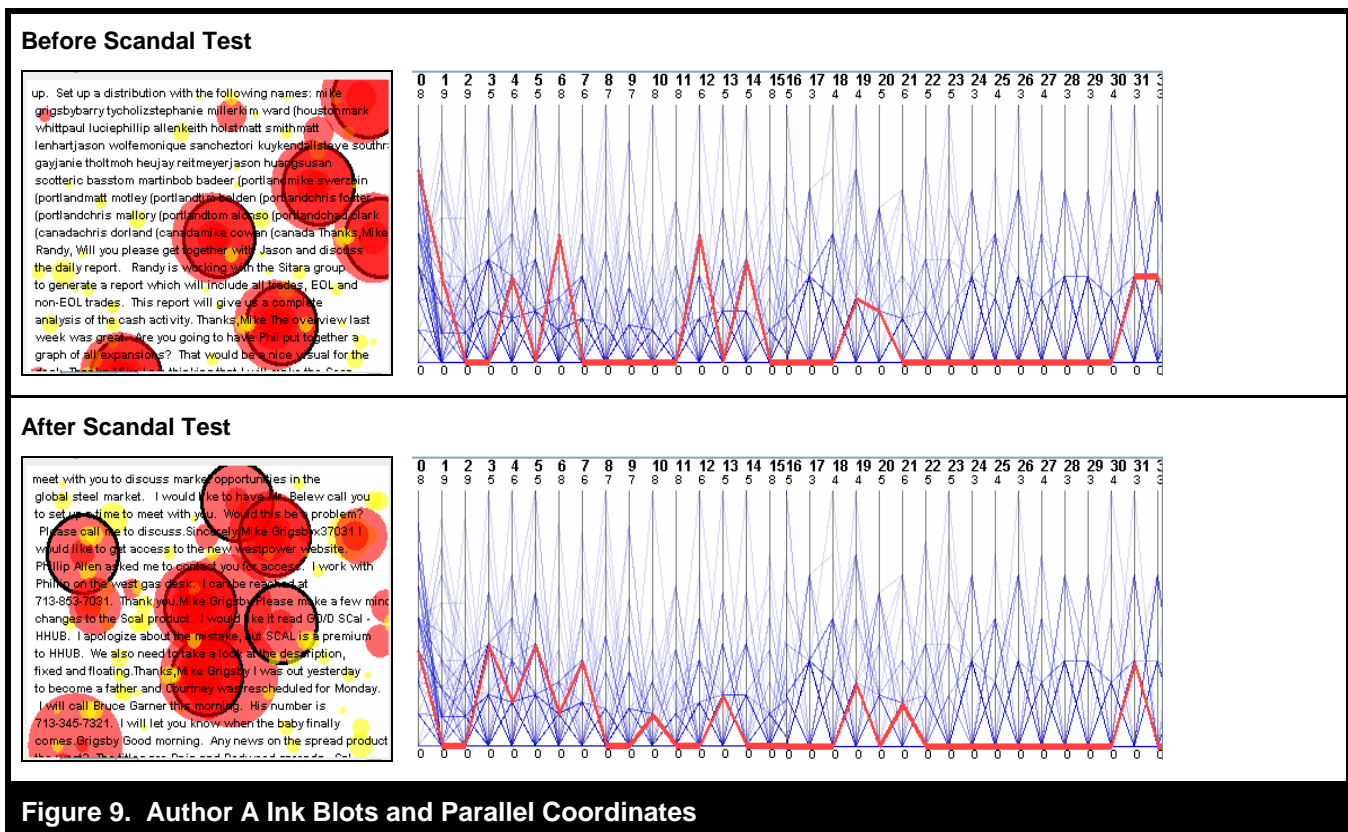


Figure 9. Author A Ink Blots and Parallel Coordinates

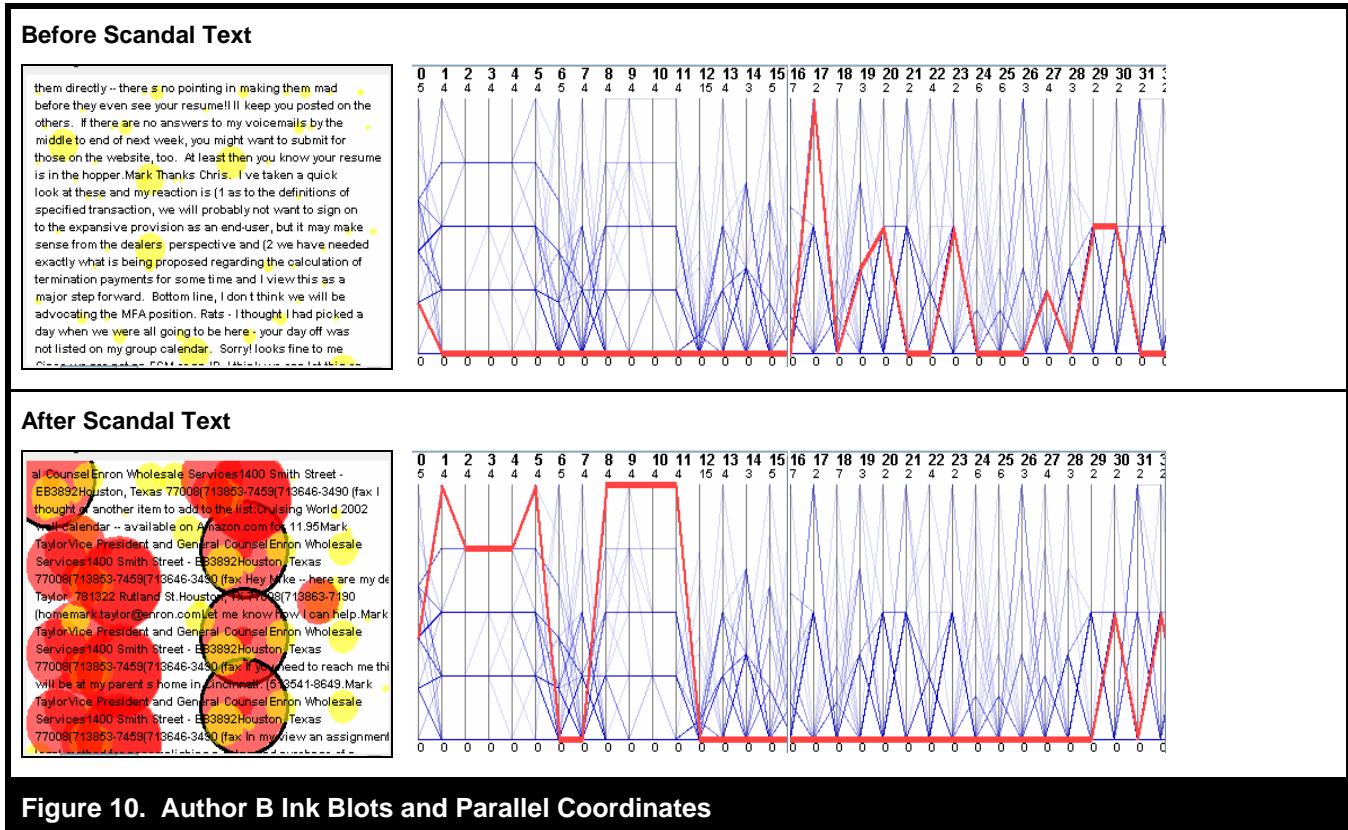


Figure 10. Author B Ink Blots and Parallel Coordinates

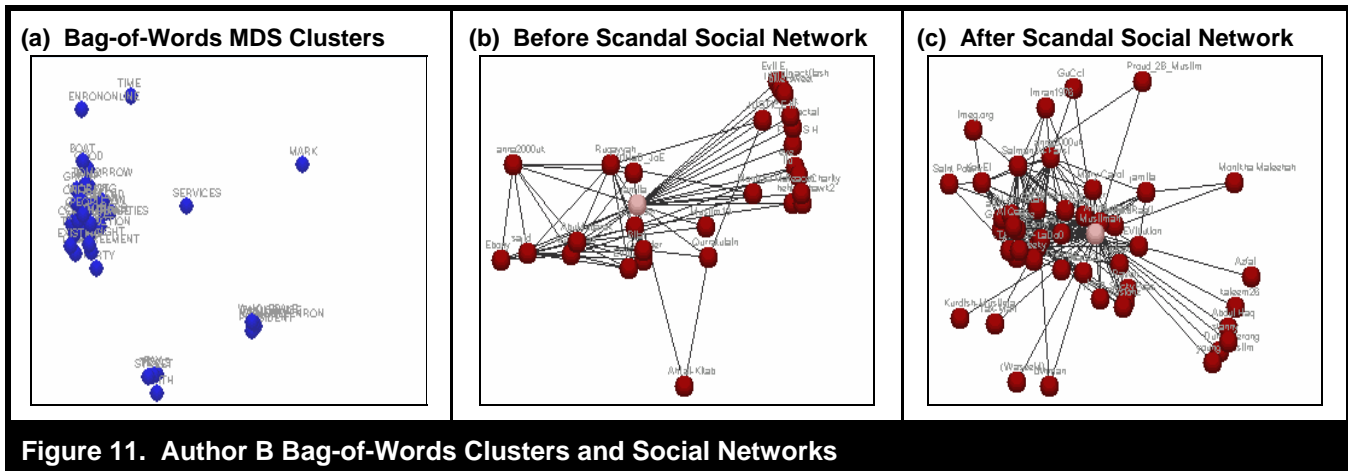


Figure 11. Author B Bag-of-Words Clusters and Social Networks