

Multimedia Appendix 7.

Appendix F. Node Level Metrics												
	Pain	#pain	Happy	Excitement	Sad	Fear	Tired	Anguish	Apple	Manchester		
										United	Obama	p value
Number of Nodes	674	252	765	720	794	995	664	508	691	940	964	0.53
Number of Modularity Communities	252	97	328	197	315	175	301	136	179	133	238	<0.0001
Number of Modularity Communities in Proportion to Nodes	0.37	0.38	0.43	0.27	0.40	0.18	0.45	0.27	0.26	0.14	0.25	
In-Degree Centrality (Median, Range)	0 (0,29)	0 (0,21)	0 (0,14)	0 (0,50)	0 (0,19)	0 (0,526)	0 (0,11)	0 (0,91)	0 (0,174)	0 (0,391)	0 (0,72)	<0.0001
Out-Degree Centrality (Median, Range)	1 (0,3)	1 (0,3)	1 (0,5)	1 (0,2)	1 (0,2)	1 (0,2)	1 (0,2)	1 (0,20)	1 (0,18)	1 (0,7)	1 (0,20)	<0.0001
Total Degree Centrality (Median, Range)	1 (1,29)	1 (1,21)	1 (0,14)	1 (1,50)	1 (0,19)	1 (0,19)	1 (1,11)	1 (1,91)	1 (0,174)	1 (1,391)	1 (0,72)	<0.0001