Feature Name	Rank	Importance	Feature Type
Features ending with * means they are used in TORS			
U_R_FollowS	1	0.225117032	U
HU_S_LikedRate	2	0.103537464	HU
HU_S_RetweetedRate	3	0.022064354	HU
HU_S_InteractiveProb	4	0.02127603	HU
HU_R_MentionSRPer	5	0.01610354	HU
HU_S_TweetNum	6	0.015957658	HU
HU_S_RepliedRate	7	0.013440382	HU
HU_S_QuotedRate	8	0.011612179	HU
U_S_Indegree	9	0.009209911	U
HM_S_Readability7	10	0.008307543	HM
HU_S_FollowR	11	0.007833902	U
M_TopicLDA7*	12	0.007307776	M
HM_S_MasculinityRate	13	0.006756339	HM
HM_S_TopicM7	14	0.006299698	HM
HM_S_TopicM18	15	0.006175931	HM
HM_S_TopicM19	16	0.005971311	HM
HU_R_MentionS	17	0.005955524	HU
HU_S_TweetPercent	18	0.005925288	HU
U_S_FolloweeNumDay	19	0.005446647	U
HU_R_RepostLatency	20	0.005318251	HU
HU_S_RetweetPercent	21	0.00526804	HU
M_TopicLDA4*	22	0.005147119	M
HM_S_Irony	23	0.00472802	HM
HM_S_TopicLDA5*	24	0.004614623	HM
U_R_Indegree*	25	0.004433995	U
HM_S_TopicM10	26	0.004405257	HM
M_Readability11	27	0.004178631	M
HM_S_Hate2	28	0.003973867	HM
HM_S_TopicM11	29	0.00396931	HM
HM_S_TopicSNum	30	0.003892459	HM
HM_S_Offensive	31	0.003829329	HM
M_hashtag	32	0.003810209	M
U_S_TweetNum	33	0.003791214	U
HM_TopicSimilaritySR*	34	0.003619461	HM
M_TopicLDA3*	35	0.003617505	M
HM_S_Readability1	36	0.003592927	HM
HM_S_TopicLDA3*	37	0.003575873	HM
HU_S_AverageInterval	38	0.0035273	HU
HM_S_TopicS1	39	0.003504779	HM
HM_S_TopicM12	40	0.003451358	HM
HM_S_TopicS5	41	0.003442372	HM
M_TopicLDA5*	42	0.003365352	M
HM_S_TopicM4	43	0.003321838	HM
HM_S_TopicMMain	44	0.003315667	HM

HM_S_TopicM13	45	0.003289904	HM
HM_S_Grammer1	46	0.003251122	HM
HM_S_Readability5	47	0.003227624	HM
M_TopicLDA8*	48	0.003195594	M
HM_S_TopicM17	49	0.003186062	HM
U_S_TweetNumDay	50	0.003166502	U
HM_S_Readability9	51	0.003164815	HM
HM_S_TopicLDA8*	52	0.003134643	HM
U_S_ProfileUrl	53	0.003114339	U
HM_S_Readability11	54	0.003084316	HM
M_TopicLDA2*	55	0.003060942	M
HM_S_Emotion3	56	0.003056387	HM
U_S_FollowerNum	57	0.002975868	U
HU_S_MentionR	58	0.002964328	HU
HM_S_Grammer2	59	0.00296182	HM
M_TopicLDA9*	60	0.002919515	M
M_TopicM14	61	0.002910086	M
HM_S_TopicLDA4*	62	0.002884687	HM
M_TopicLDA1*	63	0.002833923	M
HU_S_ReplyPercent	64	0.002820033	HU
HM_S_Emotion5	65	0.002760067	HM
HM_S_CharNum	66	0.002743821	HM
M_Sentiment4	67	0.00273608	M
HM_S_Sentiment1	68	0.002686655	HM
M_Subjectivity	69	0.002670509	M
M_TopicLDA6*	70	0.002661091	M
HM_S_Readability8	71	0.002632406	HM
HM_S_TopicM16	72	0.002621079	HM
M_TopicLDA10*	73	0.002613298	M
HM_S_Emotion2	74	0.002604212	HM
U_S_AccountAge	75	0.002601726	U
M_Sentiment3	76	0.002601242	M
M_EmotionMain	77	0.002600504	M
HM_S_TopicM8	78	0.002583215	HM
HM_S_Subjectivity	79	0.002572219	HM
HM_S_TopicLDA6*	80	0.002570424	HM
U_S_SpreadActivity	81	0.002568447	U
U_S_FollowerNumDay	82	0.002541627	U
U_S_FolloweeNum	83	0.00250336	U
U_S_LeaderRank	84	0.002471513	U
M_TopicM8	85	0.002444621	M
M_Readability4	86	0.002439515	M
HM_S_Emotion4	87	0.002433543	HM
M_TopicS5	88	0.002423509	M
M_Emotion2	89	0.002421668	M
HM_S_TopicM6	90	0.002404517	HM

HM_S_Hate1	91	0.002386373	HM
M_WordNum	92	0.002381506	M
HM_S_Emotion1	93	0.002378732	HM
HM_S_Readability3	94	0.002365295	HM
HM_S_Emotion6	95	0.002356971	HM
HM_S_TopicLDA10*	96	0.002352715	HM
M_S_id	97	0.002344465	M
M_CharNum	98	0.002338936	M
HM_S_Readability4	99	0.002325405	HM
M_Hate1	100	0.002307535	M
HM_S_Readability6	101	0.002300531	HM
HM_S_TopicLDA9*	102	0.002299365	HM
M_TopicSMain	103	0.002283261	M
HM_S_TopicS6	104	0.002281396	HM
U_S_ProfileVerified	105	0.002275891	U
HM_S_TopicM14	106	0.002269806	HM
HM_S_TopicM1	107	0.002269287	HM
HM_S_TopicM3	108	0.002264704	HM
HM_S_TopicM5	109	0.002264596	HM
M_Masculinity	110	0.002247989	M
M_TopicM2	111	0.002241447	M
M_Sentiment1	112	0.002237792	M
M_TopicM9	113	0.002213292	M
HM_S_TopicS2	114	0.002197934	HM
HM_S_Readability10	115	0.002194515	HM
HM_S_Readability2	116	0.002190214	HM
M_Emotion1	117	0.002188629	M
HM_S_Sentiment2	118	0.002181527	HM
HM_S_TopicS4	119	0.002173119	HM
M_TopicM6	120	0.002172368	M
M_TopicM10	121	0.002172063	M
HM_S_TopicLDA1*	122	0.002150213	HM
HM_S_Sentiment4	123	0.002147979	HM
HM_S_Emotion7	124	0.002126118	HM
HM_R_MasculinityRate	125	0.002108977	HM
M_Readability2	126	0.002107923	M
M_Emotion5	127	0.002106877	M
M_Readability9	128	0.002105283	M
M_Grammer1	129	0.002102983	M
M_Hate3	130	0.00208041	M
U_S_ListedNum	131	0.002073417	U
HM_S_TopicM15	132	0.002071198	HM
HM_S_TopicLDA7*	133	0.002062752	HM
HM_S_TopicLDA2*	134	0.00205574	HM
M_TopicS3	135	0.002036487	M
M_TopicM7	136	0.002034001	M

M_TopicS1	137	0.002006553	M
HM_S_TopicM9	138	0.001996918	HM
M_topicM18	139	0.001994616	M
M_Emotion6	140	0.001985182	M
M_Polarity	141	0.001974327	M
HM_S_TopicS3	142	0.001972737	HM
HM_S_Hate3	143	0.001955233	HM
M_TopicM15	144	0.001943375	M
M_TopicMMain	145	0.001937007	M
M_TopicM3	146	0.001932216	M
HM_S_TopicMNum	147	0.001920218	HM
M_Readability7	148	0.001911087	M
M_Offensive	149	0.001908702	M
M_Readability6	150	0.001892089	M
M_TopicM1	151	0.001862844	M
M_Emotion4	152	0.001852122	M
M_TopicMNum	153	0.001849671	M
HM_S_Emoji	154	0.001846849	HM
HM_S_Sentiment3	155	0.001844573	HM
M_TopicS2	156	0.001833217	M
M_Readability5	157	0.001829041	M
M_Emotion7	158	0.001820953	M
M_TopicS6	159	0.001806597	M
M_Readability3	160	0.001805994	M
M_TopicM16	161	0.001805707	M
HU_S_QuotePercent	162	0.001805324	HU
HM_S_TopicM2	163	0.001802431	HM
M_TopicS4	164	0.001801888	M
M_TopicM17	165	0.001789154	M
M_Readability1	166	0.001787258	M
HM_S_SentimentMain	167	0.001772349	HM
HM_S_HsNum	168	0.001735823	HM
HU_S_MentionRPer	169	0.001730695	HU
U_S_ListedNumDay	170	0.001725707	U
M_SentimentMain	171	0.001714516	M
M_Emotion3	172	0.001709989	M
M_Readability8	173	0.001660093	M
U_R_ProfileVerified	174	0.001654695	U
M_TopicM11	175	0.001647363	M
M_Sentiment2	176	0.001584201	M
M_topicM19	177	0.001581349	M
M_TopicM13	178	0.001525684	M
M_TopicM5	179	0.001478187	M
HM_S_TopicMatched	180	0.001460276	HM
HM_S_WordNum	181	0.001455439	HM
HM_S_Polarity	182	0.001430076	HM

M_TopicSNum	183	0.001428073	M
M_Hate2	184	0.001380534	M
M_TopicM12	185	0.001374535	M
M_Irony	186	0.001357891	M
M_Emoji	187	0.001315157	M
M_TopicM4	188	0.001311254	M
HM_S_TopicSMain	189	0.00112207	HM
U_R_FolloweeNum	190	0.001070636	U
HM_R_TopicMMain	191	0.000968763	HM
M_HsNum	192	0.000943256	M
HU_R_TweetNum	193	0.00093099	HU
U_R_FolloweeNumDay	194	0.000909611	U
U_R_TweetNumDay	195	0.000906376	U
U_R_ListedNumDay	196	0.000894196	U
U_R_FollowerNum	197	0.000883856	U
HM_R_Emotion4	198	0.000859588	HM
U_R_ListedNum	199	0.000824579	U
U_R_LeaderRank	200	0.000819626	U
HM_R_Hate2	201	0.00081935	HM
HM_R_TopicS3	202	0.000809416	HM
HM_R_TopicS2	203	0.000794194	HM
HU_R_QuotedRate	204	0.000781049	HU
HM_R_Offensive	205	0.000781043	HM
U_R_FollowerNumDay	206	0.000780823	U
HM_R_TopicS6	207	0.000780697	HM
U_R_TweetNum	208	0.000780455	U
HU_R_InteractiveProb	209	0.00077679	HU
HM_S_EmotionMain	210	0.000774862	HM
HM_R_Readability1	211	0.000760701	HM
HM_R_TopicS5	212	0.000758476	HM
HM_R_TopicM3	213	0.00075343	HM
HM_R_TopicS4	214	0.000745272	HM
HM_R_Readability3	215	0.000738341	HM
HU_R_TweetPercent	216	0.000737614	HU
HM_R_TopicM11	217	0.000737544	HM
U_R_SpreadActivity	218	0.000735144	U
HM_R_Readability6	219	0.0007342	HM
HU_R_ReplyPercent	220	0.000732713	HU
HM_R_Readability7	221	0.000732302	HM
HM_R_Grammer1	222	0.0007305	HM
HM_R_TopicM14	223	0.000725967	HM
HM_R_Emotion1	224	0.000725211	HM
HM_R_Emotion7	225	0.000725198	HM
HM_R_TopicM2	226	0.000723936	HM
HM_R_TopicM13	227	0.00072309	HM
HM_R_Hate1	228	0.000721602	HM

HM_R_Readability5	229	0.000720849	HM
HM_R_HsNum	230	0.000719458	HM
HM_R_Readability10	231	0.000718528	HM
U_R_AccountAge	232	0.000715218	U
HM_R_Hate3	233	0.000708185	HM
HM_R_Emoji	234	0.000708086	HM
HM_R_Sentiment1	235	0.000705192	HM
HM_R_Irony	236	0.000704555	HM
HM_R_Readability11	237	0.000704319	HM
HM_R_CharNum	238	0.000702927	HM
HM_R_EmotionMain	239	0.000701833	HM
HM_R_Readability8	240	0.000701405	HM
HM_R_Emotion2	241	0.000700719	HM
HU_R_AverageInterval	242	0.000699284	HU
HM_R_TopicM15	243	0.000695117	HM
HM_R_TopicM4	244	0.000694187	HM
HM_R_TopicLDA10*	245	0.000693729	HM
HM_R_TopicM10	246	0.000688706	HM
HM_R_Readability2	247	0.000685994	HM
HU_R_QuotePercent	248	0.000684279	HU
HM_R_TopicS1	249	0.000683422	HM
HM_R_TopicLDA8*	250	0.000683367	HM
HM_R_TopicLDA1*	251	0.00068094	HM
HM_R_TopicLDA9*	252	0.000680439	HM
HU_R_LikedRate	253	0.000677568	HU
HM_R_TopicLDA4*	254	0.000675153	HM
HM_R_TopicLDA5*	255	0.000674501	HM
HM_R_Grammer2	256	0.000674189	HM
HM_R_TopicLDA2*	257	0.000673261	HM
HM_R_Readability9	258	0.000672603	HM
HM_R_TopicM6	259	0.000672045	HM
HM_R_TopicM8	260	0.000667651	HM
HM_R_TopicM1	261	0.000665693	HM
HM_R_TopicM16	262	0.000664874	HM
HM_R_TopicM7	263	0.000662539	HM
HM_R_TopicSNum	264	0.000661708	HM
HU_R_RetweetedRate	265	0.000659782	HU
HM_R_Sentiment3	266	0.000652729	HM
HM_R_Emotion3	267	0.00065256	HM
HM_R_TopicM18	268	0.000652339	HM
HU_R_RepliedRate	269	0.000651787	HU
HM_R_Readability4	270	0.000650423	HM
HM_R_TopicM9	271	0.000648712	HM
HM_R_TopicLDA6*	272	0.00064823	HM
HM_R_TopicLDA3*	273	0.000648228	HM
HM_R_Sentiment4	274	0.000645569	HM

HM_R_TopicSMain	275	0.000641812	HM
HM_R_TopicLDA7*	276	0.000640315	HM
HM_R_TopicM12	277	0.000638877	HM
HM_R_TopicM17	278	0.000638407	HM
HM_R_Polarity	279	0.000636597	HM
HM_R_TopicM5	280	0.000636282	HM
HM_R_TopicMNum	281	0.00063505	HM
HM_R_Sentiment2	282	0.000634771	HM
U_R_ProfileUrl	283	0.00063115	U
HM_R_Emotion6	284	0.00062851	HM
HM_R_TopicM19	285	0.000626987	HM
HU_R_RetweetPercent	286	0.000623849	HU
HM_R_Emotion5	287	0.000619935	HM
M_R_id	288	0.000616821	M
HM_R_TopicMatched	289	0.00061029	HM
HM_R_WordNum	290	0.000604548	HM
HM_R_SentimentMain	291	0.000602797	HM
HM_R_Subjectivity	292	0.000601975	HM
HU_TORS1	293	0.000390184	HU
HU_PathWidth	294	0.000104995	HU
HU_TORS2	295	8.8184128e-05	HU
HU_TORS4	296	3.9779162e-05	HU
HU_TORS5	297	3.77885295e-05	HU
HU_TORS7	298	2.6075132e-05	HU
HU_TORS9	299	7.3950025e-06	HU
HU_TORS3	300	4.659581e-06	HU
HU_TORS8	301	3.1877975e-06	HU
M_Grammer2	302	0	M
HU_TORS10	303	0	HU
HU_TORS6	304	0	HU
M_Readability10	305	0	M