

SentiLEN: Sentiment Lexicon for English

An integral component of BiSAL (Bilingual Sentiment Analysis Lexicon), which was developed for a Web surveillance project funded by the KACST, Saudi Arabia under its NPST scheme. The lexicon can be used to develop sentiment analysis systems over English Dark Web data for Cyber security. Further details about this lexicon can be seen in the research paper "**K. Al-Rowaily, M. Abulaish, N. Al-H. Haldar, and Majed Al-Rubbaiyan, BiSAL- A Bilingual Sentiment Analysis Lexicon to Analyze Dark Web Forums for Cyber Security, Digital Investigation - The International Journal of Digital Forensics & Incident Response, Vol. 14, Elsevier, pp. 53-62, 2015.**"

The use of this lexicon for academic and research purpose is permitted. However, a proper citation of the article mentioned above should be made in your work.

S. No.	Seed Words	Morphological Variants	Sentiment Score
1	abel	abel, abels	0.08
2	act	act, acts, action, actions, acting, acted	0.68
3	agent	agent, agents, agency	0.08
4	aircraft	aircraft, aircrafts, aircraftman, aircraftmen	0.08
5	Al Qaeda	Al Qaeda, Al-Qaeda, Al Qaida, Al-Qaida, Al Qaeda, AlQaeda	0.08
6	ally	Ally, alliance, Allied, Allying, Allies	0.8
7	ambush	ambush, ambushed, ambushes, ambushing, ambushade, ambusher	-0.86
8	Anthrax	Anthrax, Anthraxs	-0.61
9	anti	anti	-0.61
10	apostate	apostate, apostates, apostatise, apostatize, apostatising, apostatizing, apostatised, apostatized	-0.61
11	arm	arm, armed, arms, arming	-0.54
12	army	army, armies	0.08
13	arrest	arrest, arrested, arresting, arrests	-0.8
14	Assassin	Assassination, assassinate, assassinating, assassinated, assassin, assassinator, assassinator	-0.95
15	assault	assault, assaulting, assaulted, assaulter, assaultive, assaulters	-0.84
16	Attack	Attack, attacked, attacking, attacks, attacker, attackers	-0.9
17	attempt	attempt, attempted, attempter, attempters, attempting	0.08
18	Authority	Authority, Authorities, authorization, authorisation	0.83
19	avoid	avoid, avoids, avoided, avoidance, avoiding, avoider, avoidant, avoidable	-0.81
20	base	base, bases, baseness, basify, basal, baseless, based, basic, basilar, basilar, basely	-0.55
21	Battalion	Battalion, battalions	-0.54
22	battle	battle, battles, battler, battlement, battleful,	-0.86
23	belief	belief, beliefs, believe, believer, believing, believed, believes, believable, believably, believing	0.68
24	Biology	Biology, Biological, biologic, biologist, biogenic, biologically	0.08
25	blast	blast, blasts, blasting, blaster, blasted	-0.61
26	blow	blow, blows, blew, blown, blower, blowing, blowy	-0.75
27	Blister	Blister, blistering, blistery	-0.56
28	blood	blood, bloody, blooded, bleeding, bloods	0.08
29	body	body, bodies, bodily, bodied, bodying	0.08
30	bomb	bomb, bombs, bombing, bombings, bomber, bombers, bombed	-0.85
31	Border	Border, borders, borderer, borderers, bordering, bordered	0.08
32	Botnet	botnet, botnets	0.08
33	Breach	breach, breached, breaching, breaches	-0.77
34	brother	brother, brothers, brotherly,	-0.66

35	Burn	burn, burning, burns, burned, burner, burnable	-0.69
36	business	business, businesses, businessman	0.73
37	Bust	bust, busts, buster, busy, busting, busted	-0.53
38	Cain	cain, cains	0.08
39	camp	camp, camps, camper, camping, campy, camply, camped	-0.52
40	capture	capture, captured, captures, capturing, capturer, capturers	-0.35
41	casualty	casualty, casualties	-0.85
42	change	change, changes, changing, changed	0.68
43	charge	charge, charges, charged, charging, charger, chargers, chargee, chargees	-0.72
44	checkpoint	checkpoint, checkpoints	0.08
45	Chemical	chemical, chemically, chemicals	0.08
46	chief	chief, chiefs	0.73
47	clash	clash, clashes, clashing, clashed	-0.85
48	Cloud	cloud, clouds, clouded, cloudy, clouding	-0.54
49	coalition	coalition, coalitions, coalitionist, coalitionists	0.08
50	Collapse	collapse, collapsing, collapsed, collapses, collapsable, collapsible	-0.74
51	combat	combat, combats, combatting, combatted, combatant	-0.86
52	command	command, commands, commanding, commanded, commander, commandant, commandment, commanders	0.7
53	compound	compound, compounds, compounding, compounder, compounded, compoundable	0.67
54	condemn	condemn, condemns, condemner, condemnation, condemning, condemnable, condemnation	-0.7
55	Confick	confics, conficker, confickers	0.08
56	conflict	conflict, conflicts, conflicting, conflicted, confliction, conflictual, conflictive	-0.84
57	convoy	convoy, convoys, convoying, convoyed	0.08
58	Cop	cop, cops, copping, copped	-0.54
59	count	Count, counter, counters, counts, counting, counted, countable, countless	0.68
60	Crash	crash, crashes, crashed, crashing, crasher, crashers	-0.63
61	crime	crime, crimes, criminal, criminals	-0.84
62	crisis	crisis, crises	-0.83
63	critic	critic, critical, criticise, criticize, criticised, criticized, critics, criticising, criticizing, criticism	-0.85
64	Cyber	Cyber	0.08
65	Cybersecurity	Cybersecurity, Cybersecurities	0.08
66	Cyberattack	Cyberattack, Cyberattacks, Cyberattacker, Cyberattackers, Cyberattacked, Cyberattacking	0.08
67	cyberterror	Cyberterror, Cybererrors, Cyberterrorism, Cyberterrorist, Cyberterrorists	0.08
68	damage	damage, damages, damaged, damaging, damageable	-0.94
69	danger	danger, dangers, dangerous, dangerously	-0.82
70	death	death, deaths, deathly	-0.88
71	decide	decide, decision, decisive, decides, decided, deciding, decider	-0.64
72	defeat	defeat, defeated, defeats, defeating	-0.86
73	defend	defend, defence, defended, defending, defends, defender, defendant, defensive, defendable	0.45
74	deploy	deploy, deployed, deploying, deployment, deployable	0.68
75	destroy	destroy, destroyed, destroys, destroying, destroyer, destroyers, destructive, destructible, destruction, destructions, destroyable	-0.99
76	detain	detain, detainee, detainees, detainer, detainers, detainment, detainment	-0.41
77	detect	detect, detection, detecting, detected, detects, detector, detectable	0.08

78	detonate	detonate, detonates, detonation, detonator, detonators, detonative	0.08
79	device	device, devices	-0.52
80	die	die, dies, died, dying, death, diable	-0.68
81	Download	download, downlaods, downloading, downloaded, downloader, downloaders, downloadable	0.08
82	Drill	drill, drills, drilled, drilling, driller, drillers	0.68
83	drone	drone, drones, droned, droning	-0.53
84	Drug	drug, drugs, drugged, drugging, druggist, druggists	0.08
85	duty	duty, duties	-0.67
86	economy	economy, economic, economics, economical, economist, economists, economise, economize, economised, economized, economising, economizing, economises, economizes	-0.52
87	effort	effort, efforts, effortless, effortful	0.71
88	elect	elect, elected, electing, elects, election, elections, electoral, elective	-0.5
89	embassy	embassy, embassies	0.08
90	enemy	enemy, enemies	-0.81
91	Enrich	enrich, enriched, enriching, enrichment, enriches, enrichments	0.83
92	Epidemic	epidemic, epidemics	-0.19
93	Evacuate	evacuate, evacuation, evacuates, evacuating, evacuated, evacuant, evacuator, evacuators	0.08
94	evil	evil, evils	-0.85
95	Execute	execute, executes, executing, executed, execution, executions, executive, executives, executioner, executioners	-0.78
96	Exercise	exercise, exercises, exercised, exercising, exerciser, exercisers	-0.54
97	explode	explode, exploded, explodes, exploding, exploder, exploders, explosion, explosive, explosions, explosives, explosively	-0.65
98	Expose	expose, exposes, exposed, exposing, exposer, exposers, exposure, exposures	-0.69
99	Extreme	extreme, extremism, extremist, extremists, extremely	-0.53
100	Facility	facility, facilities	0.68
101	faith	faith, faiths, faithful, faithfully, faithless	0.84
102	fear	fear, fears, fearing, feared, fearful, fearless, fearlessly	-0.93
103	fierce	fierce, fiercer, fiercest, fierceness, fiercely	-0.8
104	fight	fight, fights, fought, fighter, fighters, fighty, fighting	-0.86
105	filefactory	filefactory, filefactories	0.08
106	finance	finance, financial, financially, financier	0.71
107	fire	fire, fires, fired, firing, firer, firers, fireless	-0.82
108	flee	flee, fleeing, fled, flees, fleer, fleers	-0.62
109	follow	follow, follower, followers, following, followed, follows	0.72
110	force	force, forces, forcing, forced, forcer, forcers, forceful, forceless	0.03
111	foreign	foreign, foreignness	-0.7
112	freedom	freedom, freedoms	0.83
113	fuel	fuel, fuels, fueled, fueling	-0.52
114	Fundament	fundamental, fundamentalism, fundamentals, fundamentalist, fundamentalists	0.76
115	Gang	gang, gangs, ganging, ganged, ganger, gangster, gangers, gangsters	0.08
116	globe	globe, global, globali[s/z]e, globali[s/z]ing, globali[s/z]ed, globalism, globally	0.08
117	goal	goal, goals	0.68
118	guard	guard, guards, guarding, guarded, guarder, gurders	-0.52

119	Gunfight	gunfight, gunfights, gunfought, gunfighter, gunfighters, gunfights, gunfighting	0.08
120	gunman	gunman, gunmen	0.08
121	gun	gun, guns, gunned, gunning, gunner, gunners, gunless	-0.81
122	Hack	hack, hacker, hacks, hacking, hacked, hackers	-0.68
123	hard	hard, hardness, hardly	-0.71
124	harm	harm, harms, harming, harmed, harmful, harmless, harmfully	-0.98
125	hazard	hazard, hazards, hazardous, hazardously, hazarding, hazarded	-0.63
126	Hazmat	hazmat, hazmats	0.08
127	headquarter	headquarter, headquarters	0.08
128	helicopter	helicopter, helicopters, helicoptering, helicoptered	0.08
129	hell	hell, hells, hellish, hellishly	-0.91
130	hide	hide, hides, hid, hidden, hiding, hider, hiders	-0.71
131	hit	hit, hits, hitting, hitter	-0.7
132	holy	holy, holies, holiness	0.71
133	honor	honor, honors, honoring, honored, honoree, honorees, honorable, honorary	0.93
134	Hostage	hostage, hostages	0.08
135	huge	huge, hugely, hugeness	0.11
136	hypocrite	hypocrite, hypocrites, hypocrisy, hypocritical, hypocritically	0.08
137	illegal	illegal, illegals, illegally, illegalise, illegalize, illegalised, illegalized, illegalising, illegalizing, illegalises, illegalizes	-0.77
138	improv	improv, improvise, improvise, improvised, improvized, improvising, improvising, improvis, improvizes, improvisers, improvisers	0.83
139	Incident	incident, incidents, incidence, incidences, incidental, incidently	-0.51
140	Infect	infect, infection, infects, infecting, infected, infectious, infective	-0.32
141	infidel	infidel, infidels	-0.52
142	influence	influence, influences, influenced, influencing, influencer, influential, influentially	0.67
143	inform	inform, informs, informing, informed, information, informant, informer, informers, informative, informatory	0.71
144	initiate	initiate, initiative, initiated, initiating, initiates, initiator, initiators, initiation, initiations, initiatory	0.08
145	injury	injury, injuries, injure, injures, injured, injuring, injurious	-0.95
146	innocent	innocent, innocents, innocence, innocency, innocently	0.71
147	insurgent	insurgent, insurgents, insurgency, insurgence, insurgences, insurgently, insurgences	-0.59
148	intelligent	intelligent, intelligence, intelligences, intelligently	1
149	invade	invade, invades, invaded, invading, invader, invaders, invasion, invasive	-0.72
150	investigate	investigate, investigates, investigated, investigating, investigation, investigator, investigators, investigative, investigatory	0.08
151	Islamist	islamist, islamists	0.76
152	Israel	israel, israeli, israil, israile	0.08
153	jail	jail, jailed, jails, jailor, jailer, jailors, jailers	-0.36
154	Jew	Jewish, jews	0.08
155	Jihad	jihad, jihadi	0.08
156	join	join, joined, joining, joins, joiner, joiners	0.8
157	just	just, juster, justest, justly	0.78
158	justice	justice, justices, judicial	0.85
159	Keylogger	keylogger, keyloggers	0.08
160	Kidnap	kidnap, kidnaps, kidnapping, kidnapped, kidnaping, kidnaped, kidnapper, kidnappers	-0.74

161	kill	kill, kills, killed, killing, killer, killers, killable, killingly	-0.91
162	launch	launch, launches, launched, launching, launcher, launchers	0.08
163	lead	lead, leader, leaders, leading, leads, leaded, leadership	0.7
164	lie	lie, lies, lay, lain, lying, liar, liars	-0.66
165	life	life, lifes	0.71
166	Lockdown	lockdown	0.08
167	loot	loot, loots, looted, looting, looter, looters	0.08
168	loss	loss, losses, lossed, losing, lost,	-0.93
169	Malware	malware, malwares	0.08
170	martyr	martyr, martyrs, martyrdom, martyred, martyrize, martyrize, martyrizes, martyrises	-0.63
171	megashares	megashares	0.08
172	mercy	mercy, mercies, merciful, mercifully	0.84
173	militant	militant, militate, militates, militance, militancy	0.73
174	Military	military, militarily, militarist, militarists, militarise, militarised, militarising	0.08
175	militia	militia, militias, militiman, militimen	-0.61
176	missile	missile, missiles	-0.71
177	mission	mission, missions, missionary, missionaries	0.08
178	migrate	migrate, migration, migrated, migrating, migrant, migrator, migratory	0.08
179	move	move, moves, moving, moved, mover, movement, movements	0.67
180	Mujahideen	Mujahideen	0.08
181	murder	murder, murders, murdered, murdering, murderer, murderers, murderess, murderesses, murderous	-1
182	nation	nation, nations, national, nationals, nationalist, nationalists, nationality, nationalism, nationally, nationalize, nationalized	0.08
183	Network	network, networks	0.08
184	nitrate	nitrate, nitrates	0.08
185	nuclear	nuclear, nucleus, nucleate, nucleated, nucleating, nucleates	0.08
186	occupy	occupy, occupation, occupancies, occupied, occupying, occupant, occupants, occupier, occupiers	0.71
187	offense	offense, offensive, offend, offends, offending, offended, offensively	-0.53
188	online	online, onlines	0.08
189	operate	operate, operating, operated, operates, operation, operations, operator, operators	0.08
190	opportune	opportune, opportunity, opportunities	0.78
191	oppose	oppose, opposed, opposing, opposingly, opponent, opponents	-0.79
192	order	order, orders, ordering, ordered	0.06
193	patrol	patrol, patrols, patrolling, patrolled, patroller, patrollers, patrolman	0.68
194	phish	phish, phishing, phishes, phished	0.08
195	Phreak	Phreak, Phreaks, Phreaked, Phreaking	0.08
196	plot	plot, plotter, plots, plotted, plotting	0.04
197	Plume	plume, plumed, plumes, pluming, plumage, plumages, plummy, plumate	0.71
198	Police	police, policeman, policemen, policewoman, policewomen, polices, policed	0.68
199	Powder	powder, powders, powdered, powderize, powderized, powderer	0.08
200	power	power, powers, powered, powerful, powerless	0.68
201	prepare	prepare, prepares, prepared, preparing, preparation, preparative	0.08
202	press	press, pressure, presses, pressing, pressed, pressurise, pressurised	-0.56
203	prevent	prevent, prevention, prevents, preventing, prevented, preventive, preventable	0.08
204	prison	prison, prisoner, imprisonment	-0.74
205	propaganda	propaganda, propagandist, propagandize, propagandized, propagandizing	-0.72

206	protect	protect, protects, protected, protecting, protector, protection, protective	0.28
207	puppet	puppet, puppets	0.08
208	Qaeda	Qaeda	0.08
209	radiate	radiate, radiates, radiating, radiated, radiation, radiator, radiators, radiant	0.83
210	radical	radical, radicals, radically, radicalism, radicalize, radicalizing, radicalized	-0.26
211	radio	radio, radios	0.08
212	Radioactive	radioactive, radioactivity, radioactively	-0.5
213	raid	raid, raids, raider, raiding	-0.37
214	rapidshare	rapidshare	0.08
215	rebel	rebel, rebels, rebelled, rebelling, rebellion	-0.77
216	recover	recover, recovery, recovers, recovered, recovering, recoverable	-0.59
217	regime	regime, regimes	0.08
218	resist	resist, resistance, resists, resisting, resisted, resistive, resistant, resister, resistible	-0.71
219	response	response, responsive, responses	0.72
220	revenge	revenge, revenges, revenging, revenged, revenger, vengeful	-0.89
221	Ricin	ricin	0.08
222	Riot	riot, rioting, riots, rioter, rioters, riotous	0
223	risk	risk, risks, risky	-0.69
224	roadside	roadside, roadsides	0.08
225	rocket	rocket, rockets, rocketry, rocketries	0.08
226	Rootkit	rootkit, rootkits	0.08
227	Sarin	sarin, sarins	0.08
228	Scam	scam, scams, scamming, scammed, scammers	-0.6
229	screen	screen, screening, screens, screened, screener, screeners, screenable	0.67
230	secret	secret, secrets, secretly, secretive, secrecy	-0.17
231	secure	secure, security, securities, secures, secured, securing, securely	0.77
232	seize	seize, seizes, seized, seizing, seizer, seizers, seizable	-0.83
233	shoot	shoot, shooting, shoots, shot, shooter	-0.87
234	Shootout	shootout	0.08
235	soldier	solder, solders, soldiery, soldership, soldering, soldered, soldierly	0.08
236	spam	spam, spammer, spams, spammers, spammed	-0.67
237	Spillover	spillover, spillovers, spillovering, spillovered	0.08
238	spread	spread, spreads, spreading, spreader	0.68
239	stable	stable, stability, stabling, stably	0.86
240	Standoff	standoff, standoffs	0.08
241	strategy	strategy, strategic, strategics, strategists, strategical, strategize, strategizes, strategized, strategizing, strategically	0.68
242	strength	strength, strengthen, strengthener, strengthening, strengthened	0.83
243	strike	strike, strikes, struck, striking, striker, strikers, stricken	-0.82
244	stronghold	stronghold, strongholds	0.08
245	struggle	struggle, struggles, struggled, struggling, struggler, strugglers	-0.8
246	substance	substance, substances, substantial, substantially	0.71
247	Subway	subway, subways	0.08
248	success	success, successes, successful, successfully	0.99
249	suffer	suffer, suffering, suffered, suffers, sufferer, sufferers, sufferable	-0.9
250	suicide	suicide, suicides, suicided, suicidal	-0.75
251	supply	supply, supplies, supplied, supplying, supplier, suppliers, supplication	0.68
252	support	support, supports, supporter, supporters, supporting, supported, supportive	0.95
253	suspect	suspect, suspects, suspecting, suspected, suspicion, suspicious	-0.7
254	Swat	swat, swats, swatted, swatting, swatter, swatters	-0.52

255	tank	tank, tanks, tankful, tanker, tankers	-0.52
256	target	target, targets, targeting, targeted	0.08
257	terror	terror, terrors, terrorism, terrorist, terrorists, terrorize, terrorizes, terrorized	-0.85
258	threat	threat, threats, threaten, threatened, threatening, threatens	-0.97
259	toll	toll, tolls, tolling, tolled, toller, tollers	0.08
260	torture	torture, tortures, tortured, torturing, torturer, torturers,	-0.75
261	Toxic	toxic, toxin, toxicity, toxically,	-0.54
262	traffick	traffick, trafficks, trafficking, trafficker, traffickers	-0.52
263	train	train, trains, training, trained, trainer, trainers, trainee, trainees	0.11
264	Trojan	trojan	0.71
265	troop	troop, troops, trooping, trooped	-0.59
266	truck	truck, trucks, trucking, trucked, trucker, truckers, truckage, truckages	0.08
267	vehicle	vehicle, vehicles, vehicular	0.71
268	victim	victim, victims, victimize, victimized, victimizing, victimizes	-0.9
269	victory	victory, victor, victorious, victoriously	-0.52
270	video	video, videos, videoed, vidioing	0.73
271	violent	violent, violence, violences, violently	-0.95
272	Virus	virus, viruses	-0.52
273	volatile	volatile, volatiles, volatility, volatilize, volatilized, volatilizing	-0.54
274	War	war, wars, warred, warring, warrior, warriors	-0.93
275	warn	warn, warning, warns, warned, warner, warners	-0.64
276	weapon	weapon, weapons, weaponize, weaponized, weaponizing	-0.73
277	Worm	worm, worms	0.08
278	wound	wound, wounding, wounds, wounded, wounder,	-0.81
279	zippyshare	zippyshare, zippyshares	-0.57