**Adapted SentiStrength Lexicon Data Files**

Table A1 lists all the terms that were added to the existing SentiStrength lexicon file (EmotionLookupTable.txt). Table A2lists the adapted idioms in SentiStrength lexicons file (IdiomLookupTable.txt), Table A3 lists all the terms that were used as scientific terminologies and were causing false positive or false negative, and thus were removed from the SentiStrength lexicons file (EmotionLookupTable.txt). The original version of SentiStrength lexicons can be downloaded from:

http://sentistrength.wlv.ac.uk/SentStrength\_Data\_Sept2011.zip.

Table A 1. Terms added to SentiStrength lexicon (EmotionLookupTable.txt)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Terms with a positive sentiment** | | | | |
| sober | soberness | fascinating | clearest (clear\*[[1]](#footnote-1)) | fundamental |
| novel | novelties | fundamentalness | brac\* (bracing, brace) | neat study |
| ground-breaking | novelness | fascinatingly | sound\* (sound, sounding) | groundbreaking, ground breaking |
| worthy | fundament | fundamentally | astonish\* (astonish, astonishing) | believe |
| big\* | watershed | unprecedented | landmark | worthful |
| clever | astound\* (astound, astounding) | comprehensive | serious (sentiment updated from negative to positive) | leap study |
| soberly | compelling | neat research | great systematic | stunning |
| novelly | remarkable | leap research | incredible | sobering |
| elegant | productive | extraordinary | fundamentalist | intriguing |
| **Terms with a negative sentiment** | | | | |
| misreporting | fatuous | biased, bias | flaws | not right |
| joke (sentiment updated from positive to negative) | | pilgrims, plagiarized | | |

**Table A 2**. Adapted idioms in SentiStrength lexicon (IdiomLookupTable.txt)

|  |  |  |  |
| --- | --- | --- | --- |
| **Idiom Lookup** |  |  |  |
| wat up | new evidence | how are you | ground-breaking |
| new way | new research | what's good | less scientific |
| whats up | shock horror | game changer | new meta analysis |
| wuts good | breaking news | new analysis | thought provoking |
| new study | worth reading | felt compelled | thought-provoking |
| what's up | feel compelled | whats good | ground breaking |
| it hanging |  |  |  |

Table A 3. Terms removed from SentiStrength lexicon (EmotionLookupTable.txt)

|  |  |  |  |
| --- | --- | --- | --- |
| **Emotional Lookup** | |  |  |
| bug | pains | confes\* | prohibit\* |
| war | rape\* | corrupt | sufferer\* |
| fat | shark | decease | suffering |
| foe | tears | default | hazardous |
| gay | fatty | disease | incurable |
| gun | fears | dispute | injurious |
| ill | fever | invade\* | corruption |
| baby | flame | leakage | partition\* |
| bomb | germs | leaking | slaughter\* |
| burn | grave | molest\* | unemployed |
| bury | abrupt | paining | catastrophe |
| care | absent | poison\* | elimination |
| clog | addict | pollut\* | emergencies |
| cold | afraid | poverty | incompatib\* |
| dead | attack | prison\* | compel (changed from negative to positive) |
| deny | babies | rapist\* | dizzy |
| drag | bother | suffers | enemy |
| drop | brutal | suicide | jail\* |
| duty | burden | terror\* | kick\* |
| envy | cancel | thirsty | adverse |
| leak | cancer | victim\* | against |
| pain | charge | weapon\* | capture |
| shy\* | costly | fatigue | collide |
| evil | danger | illegal | Emotional |

Table A 3. Terms removed from SentiStrength lexicon (EmotionLookupTable.txt) – continued

|  |  |  |  |
| --- | --- | --- | --- |
| **Emotional Lookup** | | | |
| fear | injury | illness | outbreak\* |
| feud | mourn\* | jobless | paralysis |
| fist | pained | accident | paralyzed |
| germ | painf\* | cannibal | hunter |
| grab | raping | casualty | arbitrary |
| hazy | severe | collapse | crime |
| homo | spill\* | comfort\* | death |
| alarm | suffer | contrary | decay |
| alien | terror | criminal | devil |
| argue | thirst | decrease | infect |
| avoid | feared | disorder | injure |
| blunt | fierce | pressur\* | abandon |
| bribe | fought | suffered | absence |
| broke | gunmen | symptom\* | collision |
| cared | hazard | terrori\* | dizziness |
| chase | hunger | haziness | eliminate |
| choke | hungr\* | abnormal\* | emergency |
| cramp |  |  |  |

1. Some of the terms are ending with a wild card \* which means It can be any word starting with that term for example term astonish\* mean both ‘astonish’ and ‘astonishing’. [↑](#footnote-ref-1)