

Table capturing word types (negative), and their frequencies

Emotion semtag	Type / token totals for Webster		Words used in Webster (+ raw frequencies)	Type/token totals for Shakespeare		Words used in Shakespeare (+ raw frequencies)
General (E1)	9	54	Pity (23), wit (11), wits (8), blush (4), temper (3), compassion (2), blushes (1), touching (1), blushing (1)	12	48	Pity (13), wit (13), blush (7), wits (5), hearted (2), temper (2), blushest (1), moody (1), mood (1), moods (1), compassion (1), flushing (1)
General (E1-)				1	1	soulless (1)
Dis-like (E2-)	16	25	Damnable (4), loathed (3), gripe (3), hate (2), shrill (2), can_not_stand (1), contemptible (1), faulted (1), loathes (1), antipathy (1), loathsome (1), dislikes (1), hatred (1), excepting (1), loathing (1), hateful (1)	29	73	Hate (28), hated (6), despise (4), sufferance (3), hateful (2), abhorring (2), abhor (2), hatred (2), was_against (2), appal (2), recoil (2), dislike (1), detest (1), demurring (1), dislikes (1), scornfully (1), despising (1), faults (1), shrill-sounding (1), loathsome (1), contumely (1), damnable (1), hates (1), appals (1), gripe (1), rancours (1), abhorred (1), despised (1), grievance (1)
Angry/violent (E3-)	66	223	Poisoned (21), cursed (18), poison (18), revenge (15), violent (14), cruel (12), angry (7), fury (7), quarrel (6), force (6), anger (5), violence (5), torture (5), whip (5), furies (5), abuse (4), threaten (3), rage (3), malice (3), come_at (3), accursed (3), vengeance (3), poisons (2), fierce (2), cruelty (2), riot (2), vexation (2), crabbed (2), vicious (2), torments (2), threatenings (1), heartless (1), batter (1), abusing (1), poisoning (1), cholera (1), wild (1),	128	343	Poison (19), revenge (16), rage (14), violent (13), malice (12), war-like (12), anger (11), force (10), angry (9), whip (9), fury (7), wrath (7), quarrel (6), malicious (6), cholera (6), violence (5), cruel (5), fierce (4), cruelty (4), mutinous (4), rebellion (4), vengeance (4), spite (4), revenges (4), assault (4), vex (3), strife (3), torture (3), poisonous (3), abuse (3), fiends (3), cursed (3), venom (3), gall (3), threaten (2),

		<p>unrest (1), vexing (1), whips (1), disquiet (1), peevish (1), threatening (1), fiend (1), assaulted (1), scuffle (1), winged (1), rebellion (1), bait (1), lashed (1), annoyed (1), threatened (1), spite (1), bloodshed (1), boisterous (1), strappado (1), kicked (1), threat (1), storm (1), kick (1), cudgelled (1), abused (1), whipped (1), threatens (1), tortures (1), blazing (1)</p>		<p>garboils (2), boot (2), pinch (2), mutiny (2), savage (2), maliciously (2), furious (2), smites (2), wild (2), smote (2), vexation (2), baited (2), revengeful (2), hotly (2), rages (2), enmity (2), galled (2), wassail (2), vicious (2), quarrels (2), accursed (2), fiend (2), sullen (1), riotous (1), wassails (1), pinches (1), enmities (1), disquiet (1), rioting (1), wrangle (1), hits (1), ram (1), spiteful (1), batter (1), threats (1), viciousness (1), smite (1), clouts (1), tearing (1), ungentle (1), wounding (1), enraged (1), pinched (1), requital (1), kick (1), mutinies (1), violently (1), louts (1), butts (1), thwack (1), violentest (1), crueller (1), outrage (1), peevish (1), galls (1), grapple (1), tormenting (1), quarrelling (1), savageness (1), to-do (1), clout (1), whipping (1), abuses (1), wildness (1), whips (1), robustious (1), whipped (1), brute (1), poisoning (1), exasperates (1), smack (1), threat (1), stabs (1), grapples (1), strike_out (1), glare (1), enrages (1), Spiteful (1), wrathful (1), hit (1), exasperate (1), smacking (1), savagely (1), enrage (1), perturbation (1), agitation (1), annoyance (1), hell-hound (1),</p>
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						ran_through (1), boisterous (1), torment (1), pelt (1), molestation (1)
Angry/violent (E3--)	1	1	Seethes (1)	-	-	
Sad (E4.1-)	54	257	Sad (19), melancholy (18), sorrow (16), alas (15), misery (14), weep (12), suffer (12), jealous (10), miserable (9), jealousy (8), woe (7), tragedy (7), cry (7), howling (6), despair (6), pity (6), pitiful (5), piteous (5), penitent (5), melancholic (5), pitied (4), howl (4), Penitence (4), Repentance (4), grief (3), Grave (3), pitifully (2), woes (2), desperate (2), unhappy (2), grieve (2), weeping (2), suffered (2), repent (2), miseries (2), tragic (2), grieved (2), sadly (2), woeful (2), griefs (2), mourning (2), jealously (1), sorrows (1), mortification (1), tragedies (1), graves (1), sufferings (1), sadness (1), grievous (1), weeps (1), lamentable (1), lamented (1), despaired (1), contrition (1)	74	291	Cry (25), sorrow (23), grief (20), suffer (18), weep (17), sad (11), woe (1), cried (10), grave (10), alas (10), pity (7), repent (7), despair (6), howl (6), desperate (5), griefs (5), misery (5), suffering (5), pitiful (5), miserable (4), grieve (4), cries (3), melancholy (3), sorrows (3), pitied (3), grim (3), lamented (2), jealousies (2), wept (2), unhappy (2), dejected (2), grieves (2), weeping (2), jealous (2), piteous (2), sadly (2), tragedy (2), remorse (2), suffers (2), woeful (2), heart-breaking (1), sorrowful (1), grieving (1), penitent (1), love-sick (1), pitifully (1), grieved (1), lamentably (1), emptiness (1), cringe (1), dolorous (1), grimly (1), languish (1), pitying (1), Halloo (1), crying (1), lamentation (1), woes (1), mourning (1), take_to_heart (1), look_piteous (1), jealousy (1), sadness (1), suffered (1), heart-ache (1), deject (1), miseries (1), cheerless (1), repentance (1), wrench (1), pine (1), weeps (1), grievous (1), howling (1)
Sad (E4.1--)	3	4	mourn (2), graver (1), doleful (1)	2	5	mourn (3), graver (2)
Discontent (E4.2-)	4	4	discontented (1),	8	13	displeasure (4),

			displease (1), discontent (1), rue (1)			discontented (3), discontents (1), thwarting (1), thankless (1), disappointed (1), disheartens (1), rue (1)
Fear/shock (E5-)	22	85	Fear (40), fearful (7), horror (5), terror (3), fright (3), terrify (3), fears (3), frights (2), feared (2), cold_sweat (2), afraid (2), affrights (2), in_awe (2), daunt (1), quake (1), capon (1), cowardly (1), frightened (1), affright (1), startle (1), terrified (1), horrors (1)	26	158	Fear (75), fears (12), fearful (9), horror (8), afraid (7), dread (7), coward (6), cowardly (4), dreaded (4), cowards (3), frightened (3), fearing (2), alarm (2), fright (2), horrors (2), alarm (2), affrights (1), in_awe (1), terror (1), dastard (1), affrighted (1), inhibition (1), shocks (1), capons (1), mortified (1), timorous (1)
Confidence/worry/concern (general) (E6)	-	-		1	1	harried (1)
Worry/concern (E6-)	15	28	Troubled (5), care (4), trouble (3), affliction (3), cares (2), apprehension (2), scourge (1), afflict (1), bothers (1), rack (1), suspense (1), racked (1), brood (1), anguish (1), concerned (1)	27	73	Trouble (12), care (7), cares (5), concern (4), troubled (4), troubles (4), concerns (3), hang (3), frets (3), desperation (3), affliction (3), scourge (2), afflict (2), afflicts (2), dismay (2), brood (2), cared (1), nervy (1), distress (1), grizzled (1), fretful (1), perturbed (1), unnerved (1), distresses (1), on_our_back (1), distressful (1)

Table capturing word types (relating to positive emotion semtags), and their frequencies

Emotion semtag	Type / token totals for Webster		Words used in Webster (+ raw frequencies)	Type/token totals for Shakespeare		Words used in Shakespeare (+ raw frequencies)
Liking (E2+)	29	140	Love (28), like (22), lust (18), loved (13), dear (10), precious (7), affection (4), amorous (4), dote (3), loving (3), devotion (3), likes (2), beloved (2), fond (2),	41	237	Dear (50), love (48), like (22), loves (11), affection (10), loved (8), lust (7), affections (6), loving (5), precious (5), enjoy (5), fond (5), relish

			enjoyed (2), enjoy (2), revels (2), relish (2), affections (1), to_your_liking (1), affectionately (1), fancy (1), cherished (1), adored (1), enjoying (1), Coxcomb (1), applauded (1), doting (1), fan (1)			(4), popular (4), tender (4), amorous (3), doting (3), fancy (3), devotion (3), applaud (3), take_to (2), revels (2), live_with (2), revel (2), likes (2), hobby-horse (2), fancies (2), liver_with (1), adores (1), cherish (1), adore (1), applauding (1), liking (1), applause (1), dote (1), coxcombs (1), taken_to (1), plausible (1), go_for (1), darlings (1), lusts (1)
Liking (E2++)	6	11	Would_sooner (4), prefers (2), prefer (2), favour (1), bias (1), favoured (1)	7	11	Favouring (2), dearer (2), prefer (2), favour (2), bias (1), countenance (1), preferring (1)
Liking (E2+++)	1	3	Dearest (3)	2	12	dearest (11), favourite (1)
Calm (E3+)	19	67	Rest (21), peace (15), gentle (5), tame (4), patience (3), quietus (2), peaceful (2), patient (2), softly (2), calm (2), appease (1), rests (1), amity (1), calmest (1), gently (1), harmless (1), phlegmatic (1), peaceable (1), gentility (1)	23	185	Peace (65), rest (31), gentle (29), patience (19), repose (5), patient (5), calm (5), gently (4), amity (3), tame (3), resting (2), soothing (2), jocund (2), softly (1), gentler (1), lenity (1), calmness (1), calmly (1), tenderness (1), quietus (1), patiently (1), mellow (1), tenderly (1)
Happy (E4.1+)	24	111	Happy (20), laugh (18), merry (16), delight (7), humour (7), jest (6), laughing (6), happily (5), laughter (4), mirth (3), smiling (3), joys (2), smiles (2), happiness (2), revels (1), joy (1), humorous (1), smile (1), delighted (1), rejoice (1), jesting (1), laughs (1), jests (1), simpers (1)	45	163	Joy (24), laugh (23), happy (14), smile (9), mirth (8), smiling (8), delight (8), merry (7), delights (5), smiles (5), happily (4), joyful (4), happiness (3), jest (3), jolly (2), levity (2), Wag (2), humorous (2), smilingly (2), comedy (2), joys (2), laughing (1), bliss (1), gladness (1), celebrate (1), cheerful (1), jests (1), comedians (1), laughter (1), merrily

						(1), merrier (1), rejoice (1), relief (1), celebrated (1), humour (1), joyfully (1), clown (1), clowns (1), jesters (1), celebrates (1), trifled (1), jovial (1), trifle (1), disports (1), delighted (1)
Happy (E4.1++)	2	6	Happier (4), Rapture (2)	3	7	ecstasy (4), happier (2), rapture (1)
Happy (E4.1+++)	1	1	Happiest (1)	-	-	
Content (E4.2+)	12	54	Pleasure (16), please (8), glad (7), satisfy (5), proud (4), satisfied (4), pleasures (4), pleased (2), satisfying (1), gratification (1), pleasing (1), contented (1)	17	130	Please (28), pleasure (21), proud (21), glad (14), pride (13), content (12), pleasures (5), satisfy (4), satisfied (3), pleasing (2), epicurean (1), satisfies (1), Content. (1), gratify (1), pleased (1), contented (1), satisfaction (1)
Bravery (E5+)	8	35	Dare (12), brave (12), valiant (3), dares (3), bravely (2), fearless (1), venturesome (1), boldly (1)	17	115	Dare (25), brave (25), valiant (20), valour (14), courage (8), dares (6), mettle (4), bravely (3), pluck (2), courageous (1), boldly (1), gallantly (1), valiantly (1), unshaken (1), undaunted (1), unshrinking (1), stoutly (1)
Bravery (E5+++)				1	1	bravest (1)
Confidence (E6+)	5	24	Faith (14), confident (5), mind (2), confidence (2), stoical (1)	5	43	faith (28), trust (11), confidence (2), mind (1)