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NRC Word-Emotion Association Lexicon (aka EmoLex)

The NRC Emotion Lexicon is a list of English words and their associations with eight basic emotions (anger, fear, anticipation, trust, surprise, sadness, joy, and disgust) and two sentiments (negative and positive). The annotations were manually done by crowdsourcing.

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Association Lexicon	Version	# of Terms	Categories	Association Scores	Method of Creation	Papers
Word-Emotion and Word-Sentiment Association Lexicon						
NRC Word-Emotion Association Lexicon (also called EmoLex) README	0.92 (2010)	14,182 unigrams (words) ~25,000 senses*	**sentiments:** negative, positive **emotions:** anger, anticipation, disgust, fear, joy, sadness, surprise, trust	0 (not associated) or 1 (associated) not associated, weakly, moderately, or strongly associated	**Manual:** By crowdsourcing on Mechanical Turk. **Domain:** General	**Crowdsourcing a Word-Emotion Association Lexicon**, Saif Mohammad and Peter Turney, *Computational Intelligence,* 29 (3), 436-465, 2013. Paper (pdf) BibTeX **Emotions Evoked by Common Words and Phrases: Using Mechanical Turk to Create an Emotion Lexicon**, Saif Mohammad and Peter Turney, In *Proceedings of the NAACL-HLT 2010 Workshop on Computational Approaches to Analysis and Generation of Emotion in Text,* June 2010, LA, California. Abstract Paper (pdf) Presentation

* The sense-level annotations provided by individual annotators for the eight emotions can be downloaded by clicking here. Access various other word-emotion, word-sentiment, and word-colour lexicons here.)
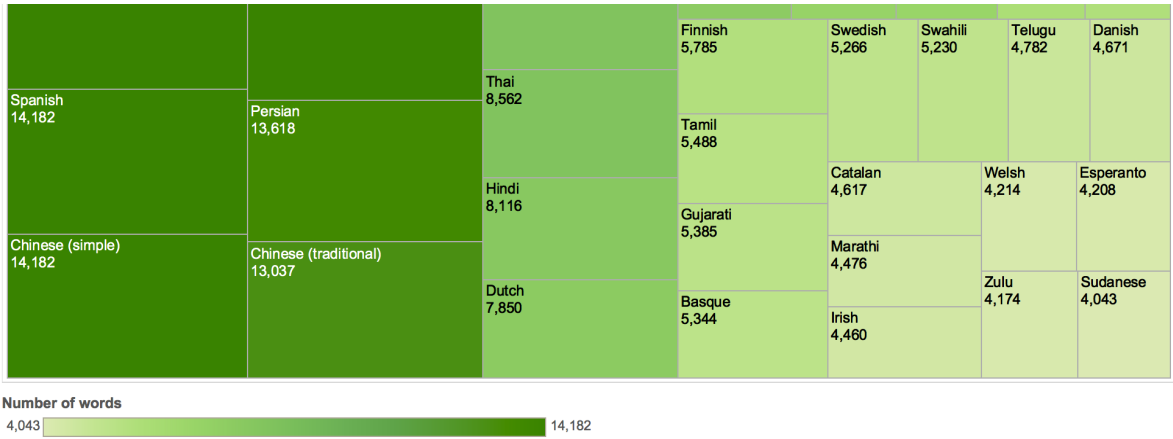
NRC Emotion Lexicon in Other Languages

The NRC Emotion Lexicon has affect annotations for **English** words. Despite some cultural differences, it has been shown that a majority of affective norms are stable across languages. Thus we provide versions of the lexicon in over twenty languages by translating the English terms using Google Translate (July 2015). Click here to download. We currently have translations into these languages: Arabic, Basque, Bengali, Catalan, Chinese, Chinese, Danish, Dutch, Esperanto, Finnish, French, German, Greek, Gujarati, Hebrew, Hindi, Italian, Irish, Japanese, Latin, Marathi, Persian, Portuguese, Romanian, Russian, Somali, Spanish, Sudanese, Swahili, Swedish, Tamil, Telugu, Thai, Turkish, Ukranian, Urdu, Vietnamese, Welsh, and Zulu. Email me if interested in a language not listed here.

See README of the NRC Emotion Lexicon for more details about the lexicon and the terms of use.

Note that some translations by Google Translate may be incorrect or they may simply be transliterations of the original English terms. If you have a list of corrections for any language, we will be happy to hear from you.

Number of entries in the NRC Emotion Lexicon, By Language

Language	Entries
Arabic	14,182
Portuguese	14,182
Vietnamese	12,351
German	11,812
Italian	11,114
Turkish	9,725
Bengali	9,453
Russian	14,182
French	14,182
Ukranian	8,903
Hebrew	7,828
Greek	7,198
Somali	7,031
Urdu	6,035
Latin	5,871
Japanese	14,182
English	14,182
Romanian	8,581

Spanish 14,182	Persian 13,618	Thai 8,562	Finnish 5,785	Swedish 5,266	Swahili 5,230	Telugu 4,782	Danish 4,671
		Hindi 8,116	Tamil 5,488	Catalan 4,617		Welsh 4,214	Esperanto 4,208
Chinese (simple) 14,182	Chinese (traditional) 13,037		Gujarati 5,385	Marathi 4,476			
		Dutch 7,850	Basque 5,344	Irish 4,460		Zulu 4,174	Sudanese 4,043

Number of words

4,043 ▭▭▭▭▭▭▭▭▭▭▭▭▭ 14,182

An Interactive Visualizer

negative	positive	anger	sadness	anticip	joy	

Terms of use:

- The lexicons mentioned in this page are available for direct download and can be used freely for research purposes.
- The papers listed next to the lexicons provide details of the creation and use. If you use a lexicon, then please cite the associated papers.
- If interested in commercial use of any of these lexicons, send email to the contact.
- If you use a lexicon in a product or application, then please credit the authors and NRC appropriately. Also, if you send us an email, we will be thrilled to know about how you have used the lexicon.
- Rather than redistributing the data, please direct interested parties to this page.
- National Research Council Canada (NRC) disclaims any responsibility for the use of the lexicons listed here and does not provide technical support. However, the contact listed above will be happy to respond to queries and clarifications.

We will be happy to hear from you, especially if:

- you give us feedback regarding these lexicons.
- you tell us how you have (or plan to) use the lexicons.
- you are interested in having us analyze your data for sentiment, emotion, and other affectual information.
- you are interested in a collaborative research project. We also regularly hire graduate students for research internships.