Word Vector Evaluation

your-own   pre-trained   compare   suite

Step 1: Choose Pre-trained Vector

Select?	Name	Dimensions	Vocabulary	Reference
○	Metaoptimize	50	268810	Turian et al, 2010
○	Senna	50	130000	Collobert et al, 2011
○	RNN	80	82390	Mikolov et al, 2011
○	RNN	640	82390	Mikolov et al, 2011
○	Global Context	50	100232	Huang et al, 2012
○	Skip-Gram	80	180834	Mikolov et al 2013
○	Multilingual	512	180834	Faruqui and Dyer, 2014

Step 2: Plot Your Words

Evaluate

Word Pair Similarity Ranking

No.	Task Name	Word pairs	Reference	Pairs found	Correlation
1	WS-353	353	Finkelstein et. al, 2002	353	0.6392
2	WS-353-SIM	203	Agirre et. al, 2009	203	0.6962
3	WS-353-REL	252	Agirre et. al, 2009	252	0.6094
4	MC-30	30	Miller and Charles, 1930	30	0.6258

| 5	RG-65	65	R and G, 1965	65	0.5386
6	Rare-Word	2034	Luong et. al, 2013	1435	0.3878
7	MEN	3000	Bruni et. al, 2012	2999	0.6462
8	MTurk-287	287	Radinsky et. al, 2011	286	0.6698
9	MTurk-771	771	Halawi and Dror, 2012	771	0.5679
10	YP-130	130	Yang and Powers, 2006	130	0.3992
11	SimLex-999	999	Hill et. al, 2014	998	0.3131
12	Verb-144	144	Baker et. al, 2014	144	0.2728
13	SimVerb-3500	3500	Gerz et al., 2016	3492	0.2172

Default Word Plots
t-SNE tool, Maaten and Hinton 2008

Antonym and Synonyms
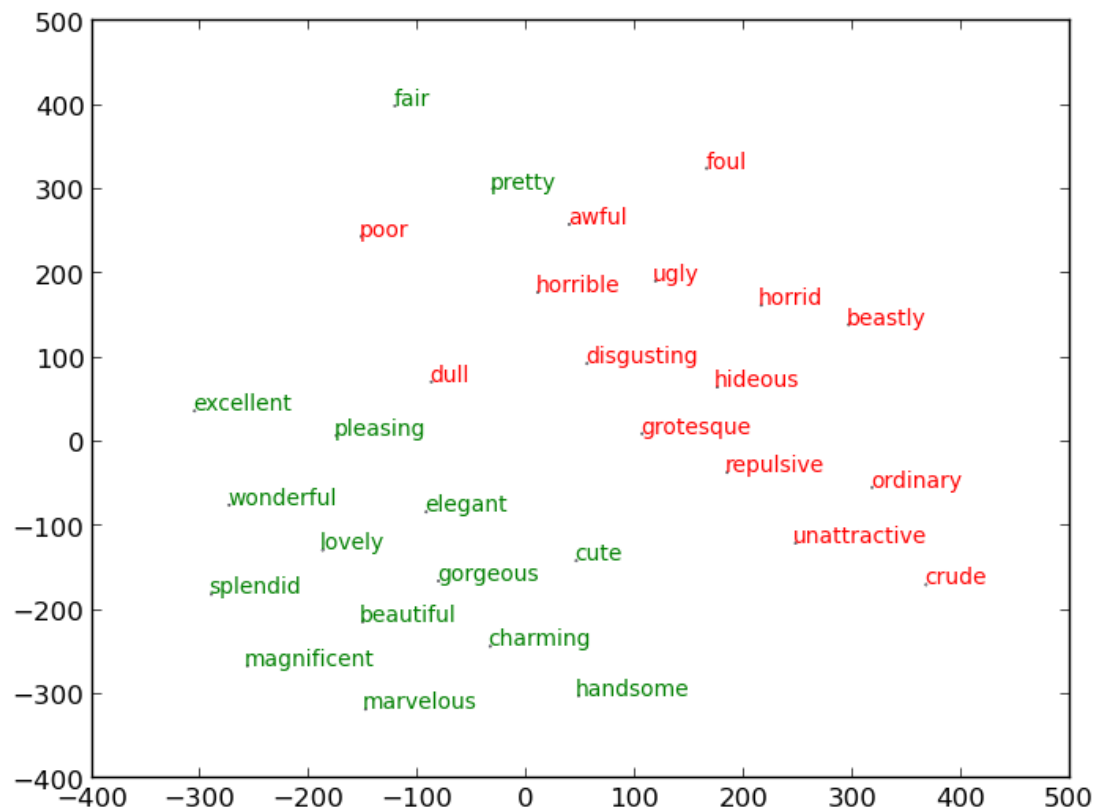
Male and Female
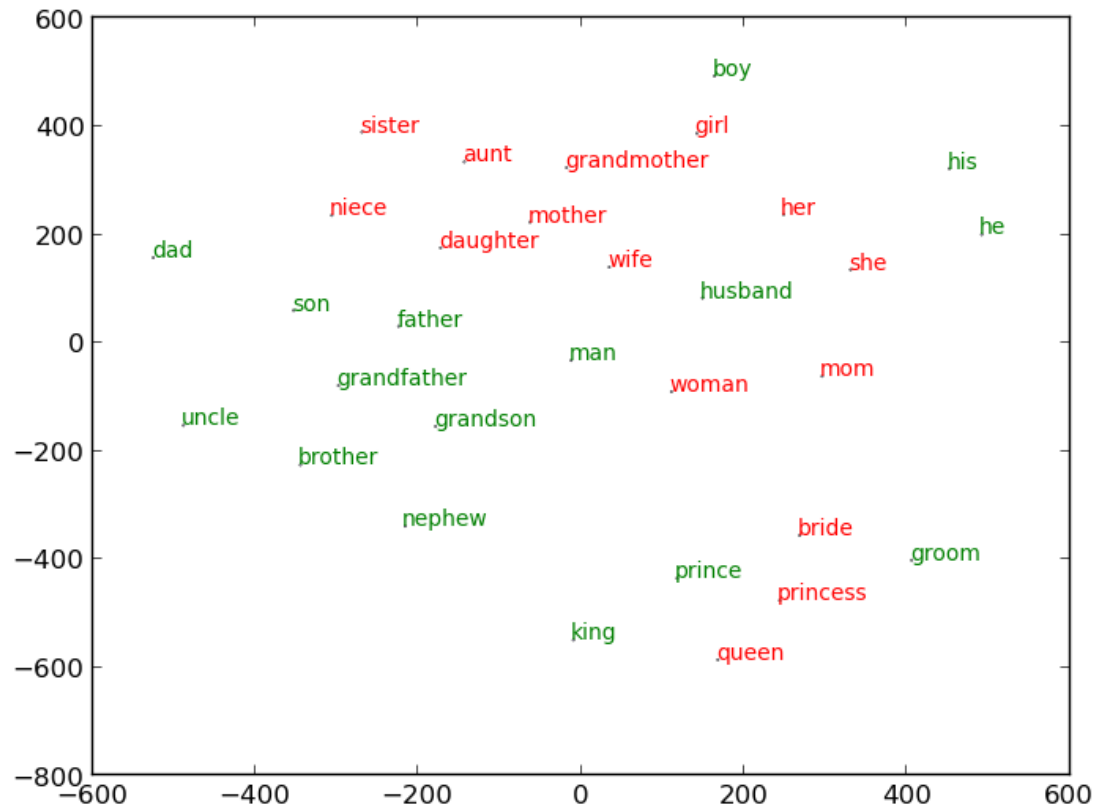
Reference

If you use this website, please cite the following paper:

```
@InProceedings{faruqui-2014:SystemDemo,
  author    = {Faruqui, Manaal  and  Dyer, Chris},
  title     = {Community Evaluation and Exchange of Word Vectors at wordvectors.org},
  booktitle = {Proceedings of the 52nd Annual Meeting of the
               Association for Computational Linguistics: System Demonstrations},
  month     = {June},
  year      = {2014},
  address   = {Baltimore, USA},
  publisher = {Association for Computational Linguistics}
}
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