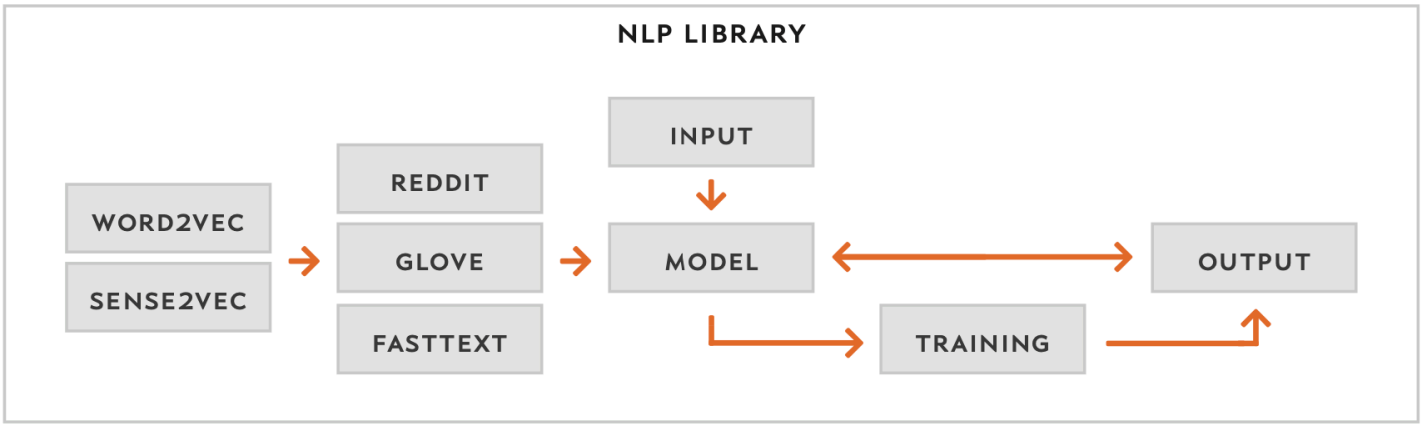
View of Product: Functional ---------- Symbolic

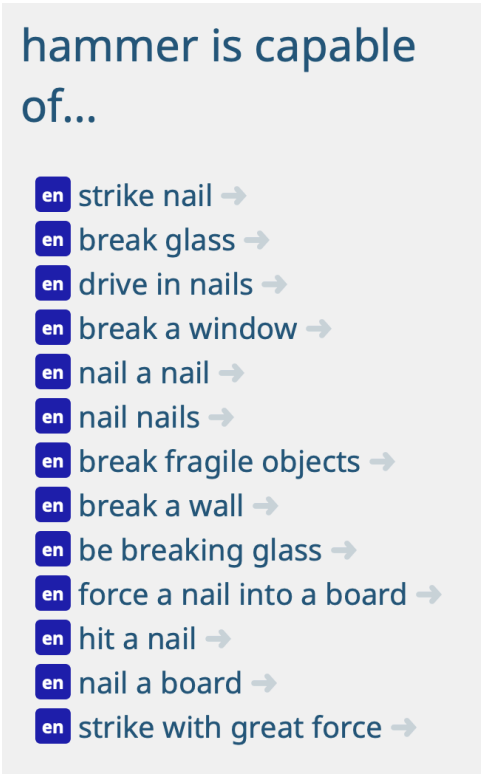
Word	Oxford American Writers Thesaurus	Merriam-Webster	Cambridge Thesaurus	Collins Thesaurus	thesaurus.com
Function	purpose, task, use, role; duty, concern, province, aim; result, outcome, ramification; party	affair, event; capacity, connection, job; position, purpose, role; act, serve	goal, purpose, use, objective, utility; aliasing, bitmap, clickable; arithmetic, percent	purpose, business, job, concern; work, run, operate, perform	activity, duty, objective, purpose, task; affair, gathering, meeting, party; react, serve
Ritual	ceremony, rite, observance; sacrament, liturgy; traditional, routine, usual, habitual	custom, fashion, habit, pattern, practise, manner, ceremony, form, etiquette	cavalcade, initiation, ritual, salute	ceremony, rite, ceremonial, sacrament; custom, tradition, routine, convention	custom, formality, habit, liturgy, practice, procedure, routine, stereotype
Myth	folk tale, story, saga, allegory, parable, tradition; fallacy, fiction; falsehood, lie	fable, legend, mythos, fantasy, fiction, saga, story, tale, tradition, delusion, error	anecdote, saga, story, legend, tale; artifice, lie, perjury, fiction, hypocrisy	legend, story, tradition, fiction, saga; fantasy, delusion, invention, falsehood	fable, fantasy, fiction, illusion, legend, lore, parable, tale, tradition
Sources	Websites for dictionaries listed above, accessed March 2020				

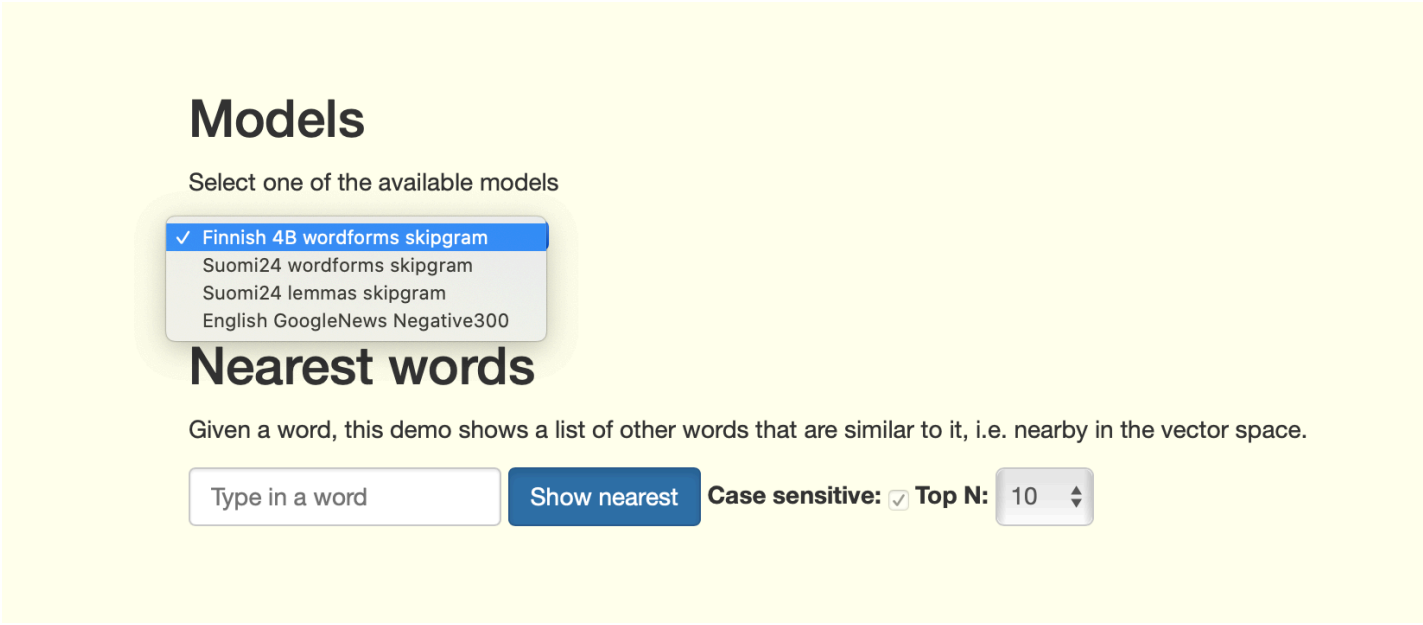
Feature	BNC	Wikipedia	Reddit 2015	WordNet	Brown	Common Crawl
Approx. word count	100 M	3.6 B	1.2 M	200 k	100 M	600 B +
Published	1994	2020 (yearly)	2015	1985	1961	2020
Curated by committee	✅	✅		✅	✅	
Formality						
- Written						
— News	✅		✅		✅	✅
— Dict., Thesauri, Encyclop.		✅		✅		✅
— Books	✅				✅	✅
— Online Comments			✅			✅
— Scientific Papers/Journals	✅				✅	✅
- Spoken						
— Parliament	✅					
— News	✅		✅			
Pre-training						
- vectors		✅	✅			
- Word-sense pairs				✅		
Sources	Jeffrey Pennington, Richard Socher, and Christopher D. Manning. 2014. GloVe: Global Vectors for Word Representation, Common Crawl, 2020, Weischedel, Ralph, et al. OntoNotes Release 5.0 LDC2013T19. Web Download. Philadelphia: Linguistic Data Consortium, 2013, Wikipedia 2020, Reddit 2015,					

Technical Characteristic	Conceptnet Numberbatch	word2vec	sense2vec
Architecture			
- Skip-gram		✅	✅
- CBOW		✅	✅
Word disambiguation			
- Polysemy			✅
- word order information			✅
- PoS-tagging	✅		✅
- dependency parsing			✅
- NER	✅	✅	✅


NLP LIBRARY
WORD2VEC
SENSE2VEC
REDDIT
GLOVE
FASTTEXT
INPUT
MODEL
TRAINING
OUTPUT

Feature	NLTK	SpaCy	TextBlob	Gensim	Stanford CoreNLP
Word Embedding					
— Tokenisation	✅	✅	✅	✅	✅
— Lemmatisation	✅	✅			
— Stemming	✅	✅			
— POS Tagging	✅	✅	✅	✅	✅
— Parsing	✅	✅	✅		
— Named Entity Recognition	✅	✅			✅
— Text Classification	✅	✅	✅	✅	✅
— Training	✅	✅	✅	✅	✅
Algorithm					
— word2vec	✅	✅		✅	
— sense2vec		✅			
— Conceptnet Numberbatch				✅	
Usability					
— Production-ready		✅	✅		✅
— Good documentation		✅	✅		
— Easy for beginners		✅	✅		✅
Sources	Pinto, Oliveira, Alves, 2014, Active Wizards, 2019, Ferak, 2019, Loria, 2020, Stanford, 2016, Řehůřek, 2014				





http://bionlp-www.utu.fi/wv_demo/

≈

Word to Vec JS Demo

Similar Words

Enter a word and see words with similar vectors.

Target word List words

Word Algebra

Enter all three words, the first two, or the last two and see the words that result.

Word 1 + (Word 2 - Word 3) = Get result

Semantic Analysis of the Reddit Hivemind

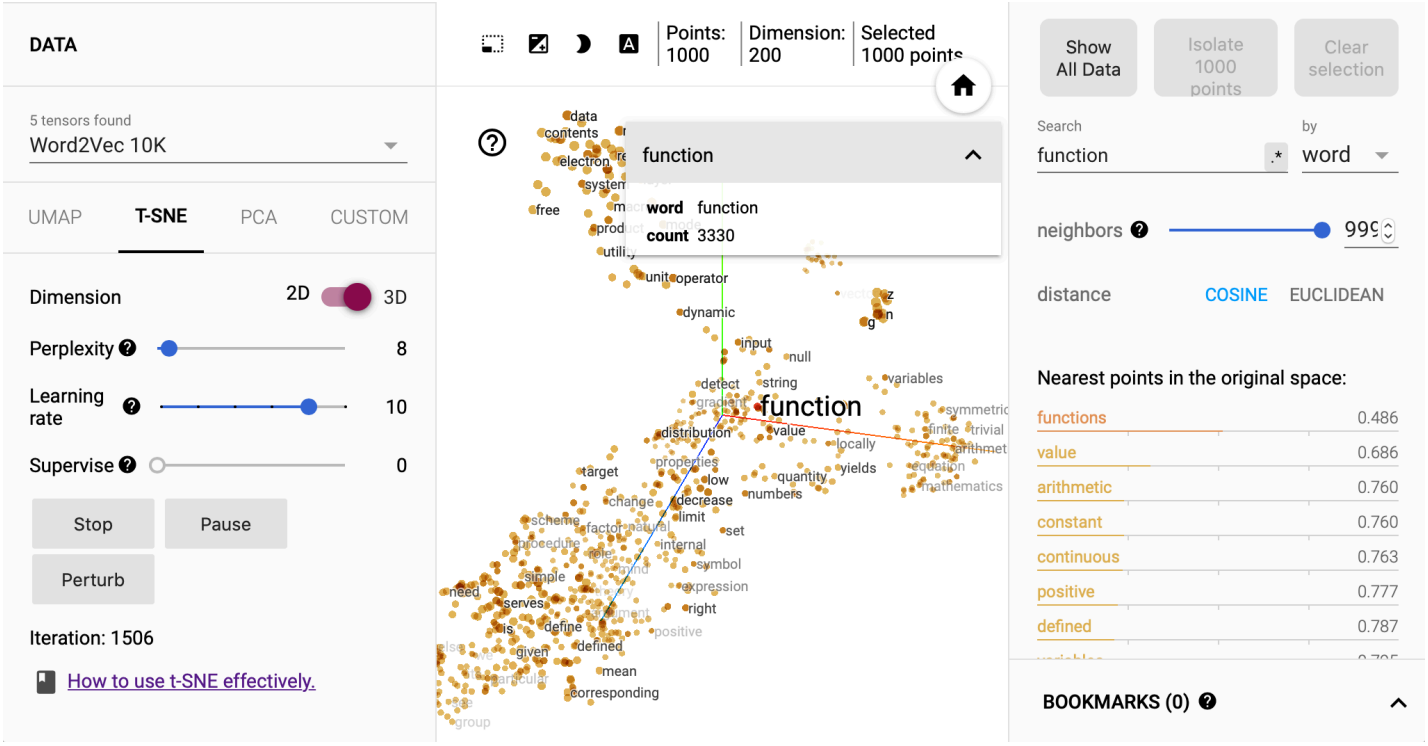
We parsed every comment posted to Reddit in 2015 and 2019, and trained different word2vec models for each year. A lot's happened over the last four years, so many words, people or events have different associations. You can also try searching for a phrase that's more than the sum of its parts to see what the model thinks it means. Try your favourite band, slang words, technical things, or something totally random.

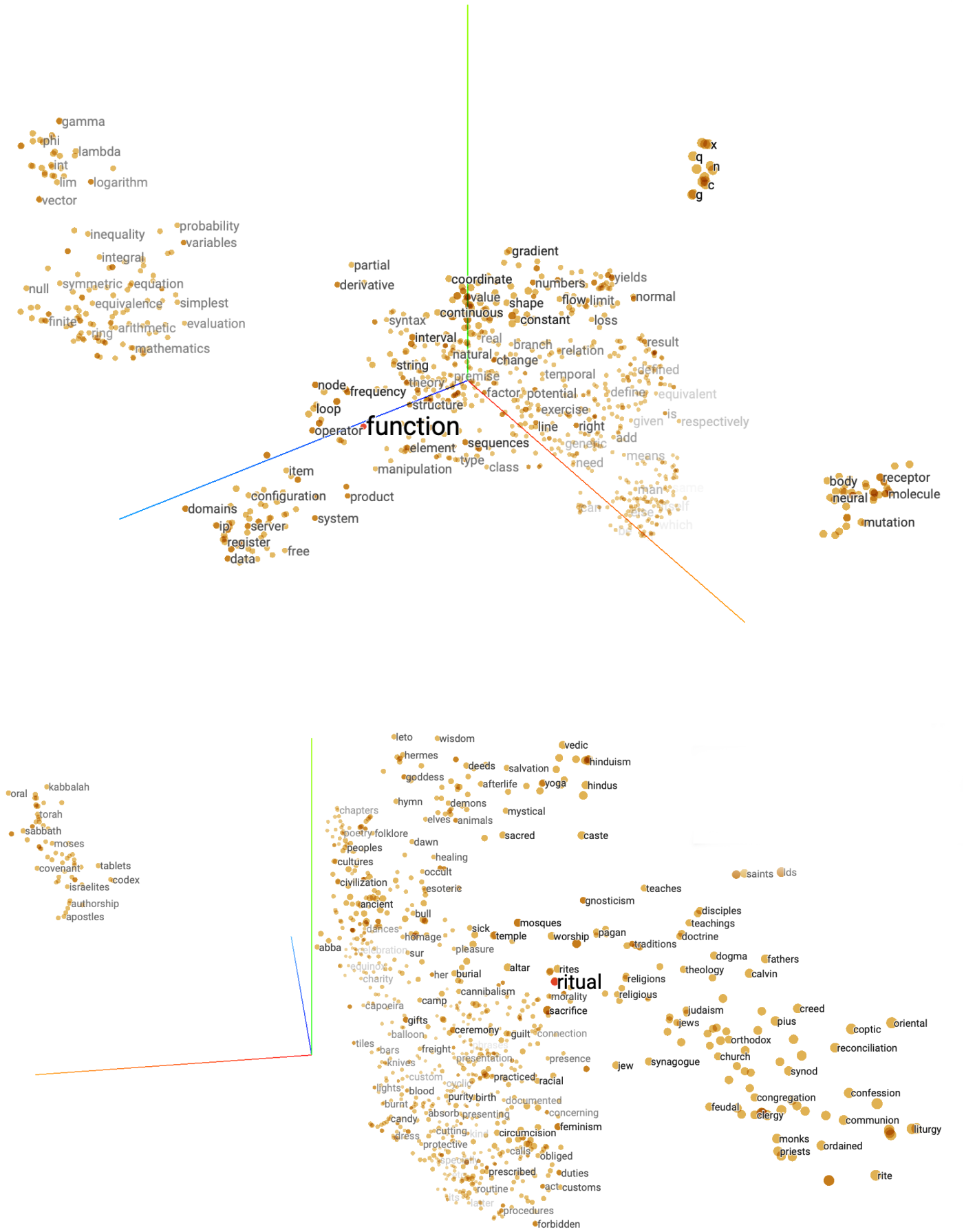
Term

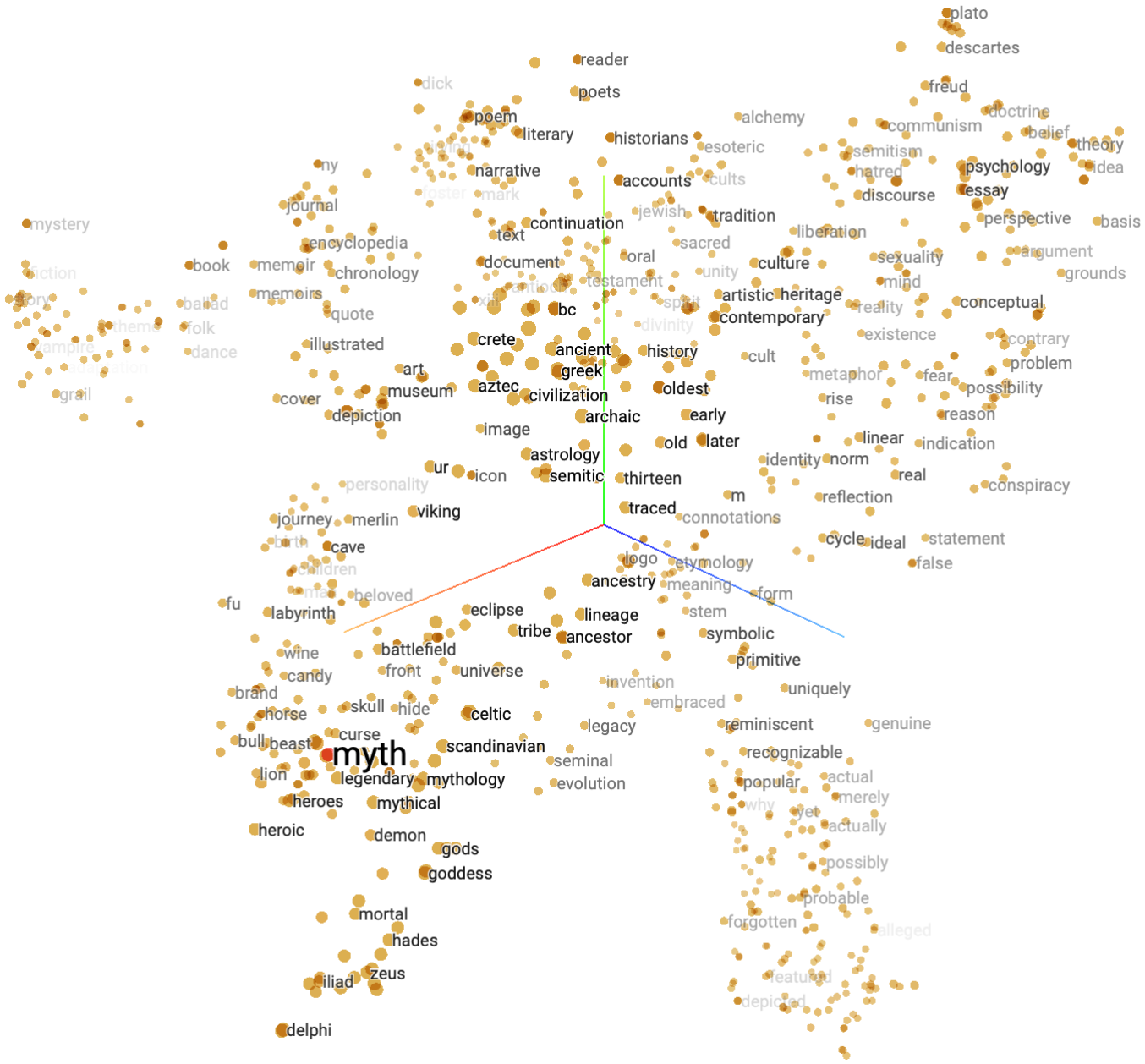
Your term here...

Sense ?

Year ?


DATA
5 tensors found
Word2Vec 10K
UMAP
T-SNE
PCA
CUSTOM
Dimension
2D
3D
Perplexity
8
Learning rate
10
Supervise
0
Stop
Pause
Perturb
Iteration: 1506
How to use t-SNE effectively.
Points: 1000
Dimension: 200
Selected 1000 points
function
word function
count 3330
Show All Data
Isolate 1000 points
Clear selection
Search
function
by
word
neighbors
distance
COSINE
EUCLIDEAN
Nearest points in the original space:
functions 0.486
value 0.686
arithmetic 0.760
constant 0.760
continuous 0.763
positive 0.777
defined 0.787
BOOKMARKS (0)

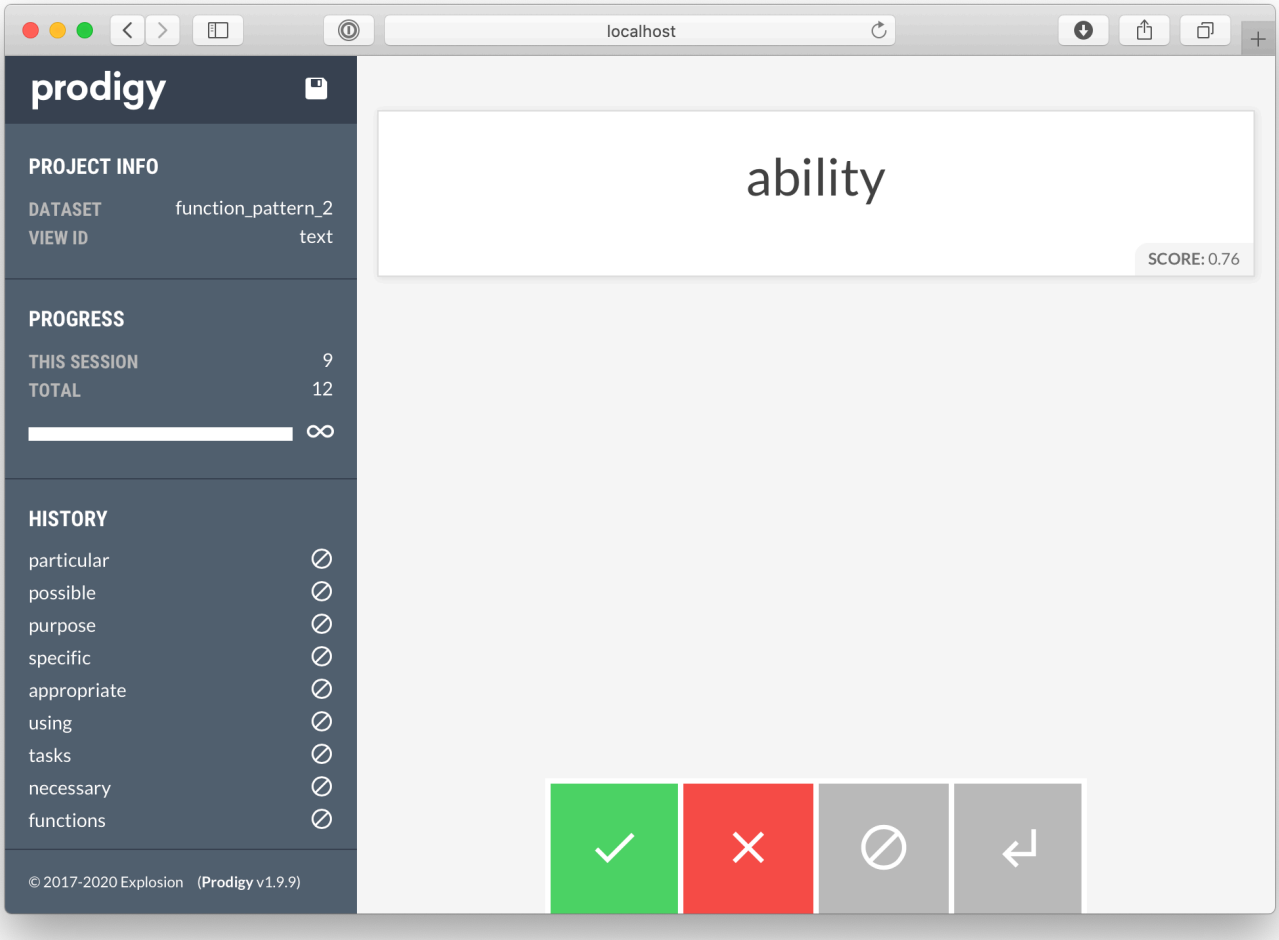

gamma
phi
lambda
int
lim
logarithm
vector
inequality
probability
variables
integral
null
symmetric
equation
equivalence
simplest
finite
arithmetic
evaluation
ring
mathematics
partial
derivative
gradient
coordinate
numbers
yields
value
shape
flow
limit
normal
continuous
constant
loss
syntax
interval
real
branch
relation
result
natural
change
string
premise
temporal
defined
node
frequency
theory
factor
potential
define
equivalent
loop
structure
exercise
is
respectively
operator
function
line
right
given
add
element
sequences
generic
means
type
class
need
item
manipulation
configuration
product
man
same
domains
system
can
else
self
ip
server
which
register
free
data
x
q
n
c
g
body
receptor
neural
molecule
mutation
oral
kabbalah
torah
sabbath
moses
covenant
tablets
codex
israelites
authorship
apostles
leto
wisdom
vedic
hermes
deeds
salvation
hinduism
goddess
afterlife
yoga
hindus
hymn
demons
chapters
mystical
elves
animals
poetry
folklore
sacred
caste
dawn
peoples
healing
cultures
occult
civilization
esoteric
saints
lds
teaches
ancient
gnosticism
bull
disciples
teachings
mosques
dances
sick
temple
worship
pagan
doctrine
homage
traditions
abba
celebration
sur
pleasure
dogma
fathers
equinox
altar
rites
theology
calvin
charity
her
burial
ritual
religions
cannibalism
morality
religious
capoeira
camp
sacrifice
judaism
creed
gifts
jews
pius
coptic
oriental
balloon
ceremony
guilt
connection
orthodox
tiles
bars
freight
phrases
reconciliation
knives
presentation
presence
jew
synagogue
church
synod
custom
practiced
racial
lights
blood
cyclic
purity
birth
documented
confession
burnt
absorb
presenting
concerning
feudal
congregation
candy
clergy
communion
cutting
kind
circumcision
feminism
liturgy
dress
protective
monks
ordained
calls
obliged
priests
prescribed
duties
rite
routine
act
customs
procedures
forbidden



Function

English

Search


localhost
prodigy
PROJECT INFO
DATASET function_pattern_2
VIEW ID text
PROGRESS
THIS SESSION 9
TOTAL 12
HISTORY
particular
possible
purpose
specific
appropriate
using
tasks
necessary
functions
© 2017-2020 Explosion (Prodigy v1.9.9)
ability
SCORE: 0.76

Algorithm	Conceptnet Numberbatch	Anthony Liu word2vec	Turku University word2vec	Tensorflow word2vec	spaCy sense2vec	spaCy word2vec	Gensim+GloVe word2vec	Gensim+FastText word2vec	Polyglot word2vec
Corpus	**Combination of various sources**	**10k common English words**	**4B Finnish words**	**IMDB**	**Reddit**	**GloVe**	**Wikipedia**	**Wikipedia**	**Wikipedia**
Function	raison d'être multivalued codomain operate lft nonworking arity	functions mechanism operate system tool purpose structure normal	specific potential process system current activity structure operation use	functions value arithmetic continuous positive defined theory variables n finite	parameter variable own function original function other function new function main function	functions necessary tasks using appropriate specific purpose possible particular ability	functions i.e functional hence parameters defined integral therefore corresponding furthermore	parameter variable own function original function other function new function main function undefined scalar single value	structure measure change domain rule index load sample input object
Ritual	rites rite kanzo havan ceremonial ceremonies ceremony	sacred traditions routine prayer superstition feast celebration habit	nature whole movement violence rise thus both process culture	rituals rites rite ceremony ceremonies worship sacrifice prayer sabbath sacrifices	rituals ritual necromancy ritual sacrifice rites magick spirits incantations	behaviour behaviours interactions behaviors understanding context involve involves attitudes interacting	rituals rites ritualistic sacred sacrificial initiation ceremonies prayer feasts feast	rituals ritualistic rites rite Ritual ritualized ceremonial ritualised ceremonies purificatory	narrative myth prophecy cult brotherhood spirit garden discourse worldview taboo
Myth	legend legends fable folklore folktales folktale tale	notion theory perception theories rumor fantasies belief idea superstition	even past though often one evidence coming itself meaning	legend myths mythology story folklore tale legends tradition tales metaphor	just a myth common myth myths old myth common belief misconception	belief notion symbolism ideals symbols mythology symbolic nationalism beliefs metaphor	myths mythology origins civilisation fable metaphor paradox allegory mythological mythical	myths Myth mythology Myths legend mythical mythic fable mythological legends	prophecy symbolism ritual fable superstition mythology mysticism revelation myths deity
Sources	Turku NLP Group, 2020, Explosion 2019, Google, 2020, Liu, 2016, ConceptNet, 2020								