



## Auto-answering in the semantic space

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# Customer service doesn't scale

Even with the use of online boards and communities!



**X** Users repeatedly ask the same or very similar questions

Q: how can we improve the speed of question answering?

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Cisco Small Business RV220W Router 1 day 3 hours ago	21	Rajesh Roshan Dash

**alvaro.barbero's Stuff**

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## Should the Java "this" keyword be used when it is optional? [duplicate]

▲ 14 ▼ 4 ★

From what I gather as a Java beginner, when accessing instance members, the `this` keyword may apparently be used, but is not mandatory.

I wonder whether there is any official recommendation of sorts of a style guide (though I was unable to find anything in the actual Java style guide).

How do people usually do this, or is there maybe even something like a consensus in the Java community?

java coding-style this keyword

share edit reopen (1) flag

edited Aug 18 '14 at 16:08 Servy 121k 10 108 199

asked Apr 7 '09 at 13:42 miracle2k 4,297 5 36 42

**marked as duplicate** by Marc Gravell ♦, Bill the Lizard, Michael Myers ♦, Outlaw Programmer, bobince Apr 7 '09 at 15:36

This question has been asked before and already has an answer. If those answers do not fully address your question, please ask a new question.

2 Good luck on getting any kind of consensus on that topic - it'll need a miracle2k :-p – Marc Gravell ♦ Apr 7 '09 at 13:47

Yep. Pretty much anything that is 'optional' or subjective in nature will start a religious war (or at least a small battle). – Robin Apr 7 '09 at 13:53

Looks like a duplicate of [stackoverflow.com/questions/516291/the-use-of-this-in-java](http://stackoverflow.com/questions/516291/the-use-of-this-in-java) and [stackoverflow.com/questions/516768/](http://stackoverflow.com/questions/516768/) ..., or at least pretty close. – Michael Myers ♦ Apr 7 '09 at 13:55

asked 6 years ago  
viewed 13961 times  
active 21 days ago

Featured on Meta

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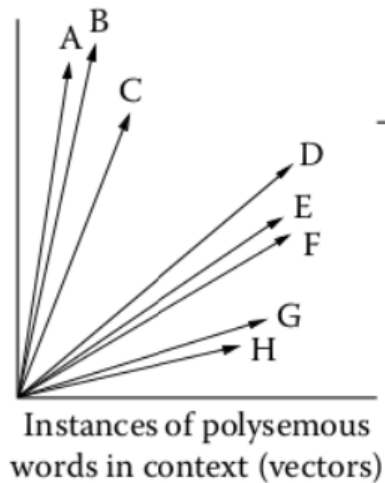
Linked

7 The use of "this" in Java

6 Using "this" with methods (in Java)

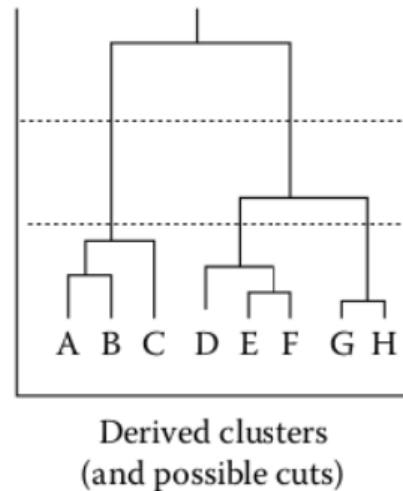
-1 Proper usage of this keyword in java

...can we automate this?

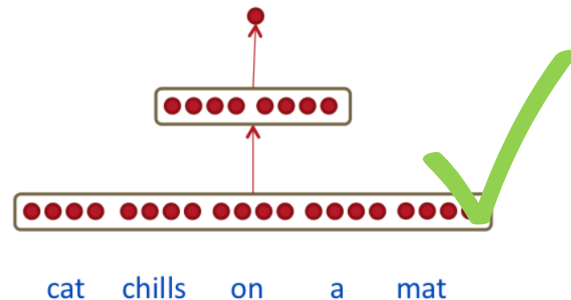


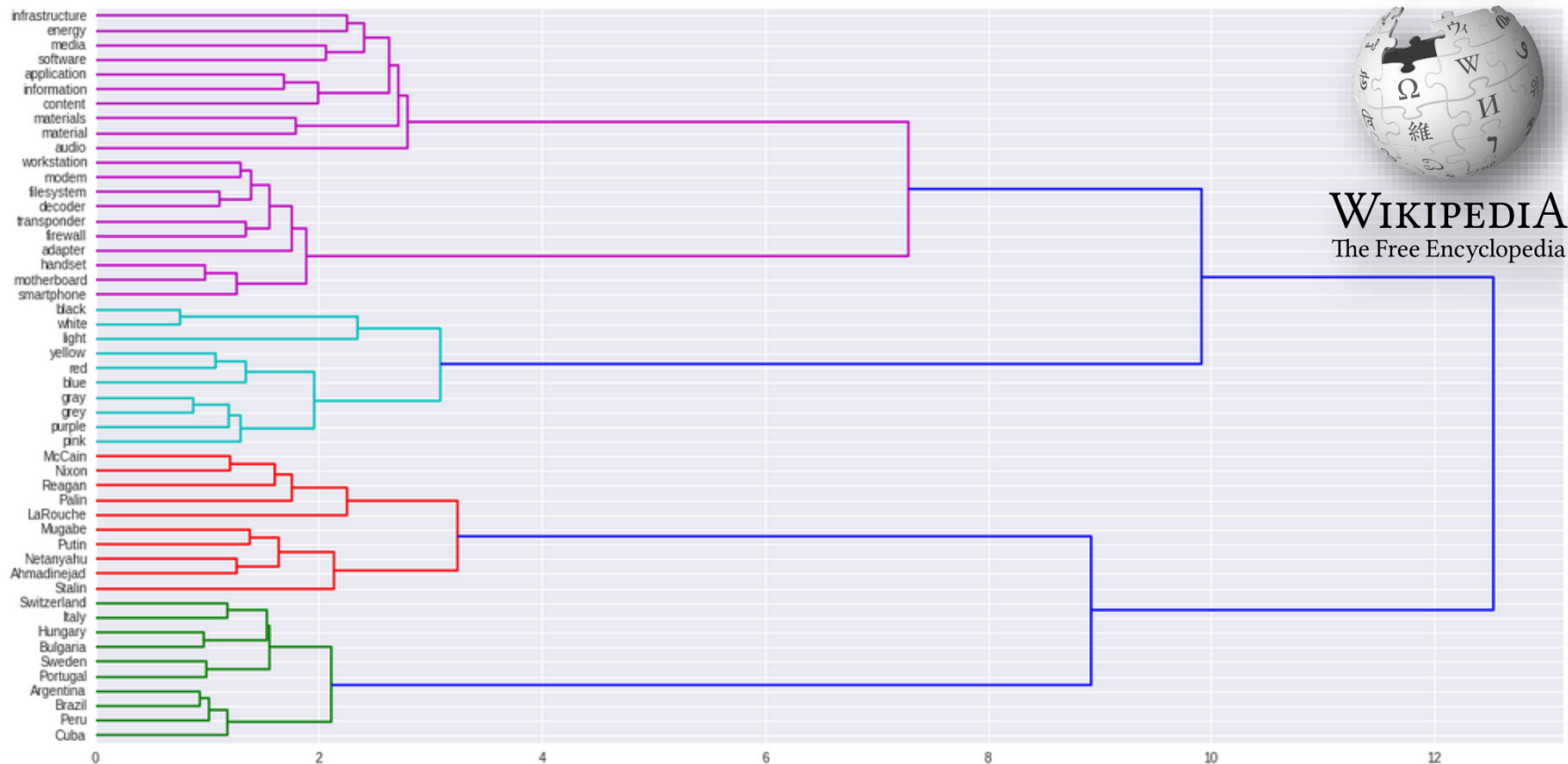
	A	B	C	D	E
A	0	2	4	13	17
B	2	0	3	11	14
C	4	3	0	9	12
D	13	11	9	0	2
E	17	14	12	2	0

Derived distances  
and possible singular  
value decomposition,  
then clustering

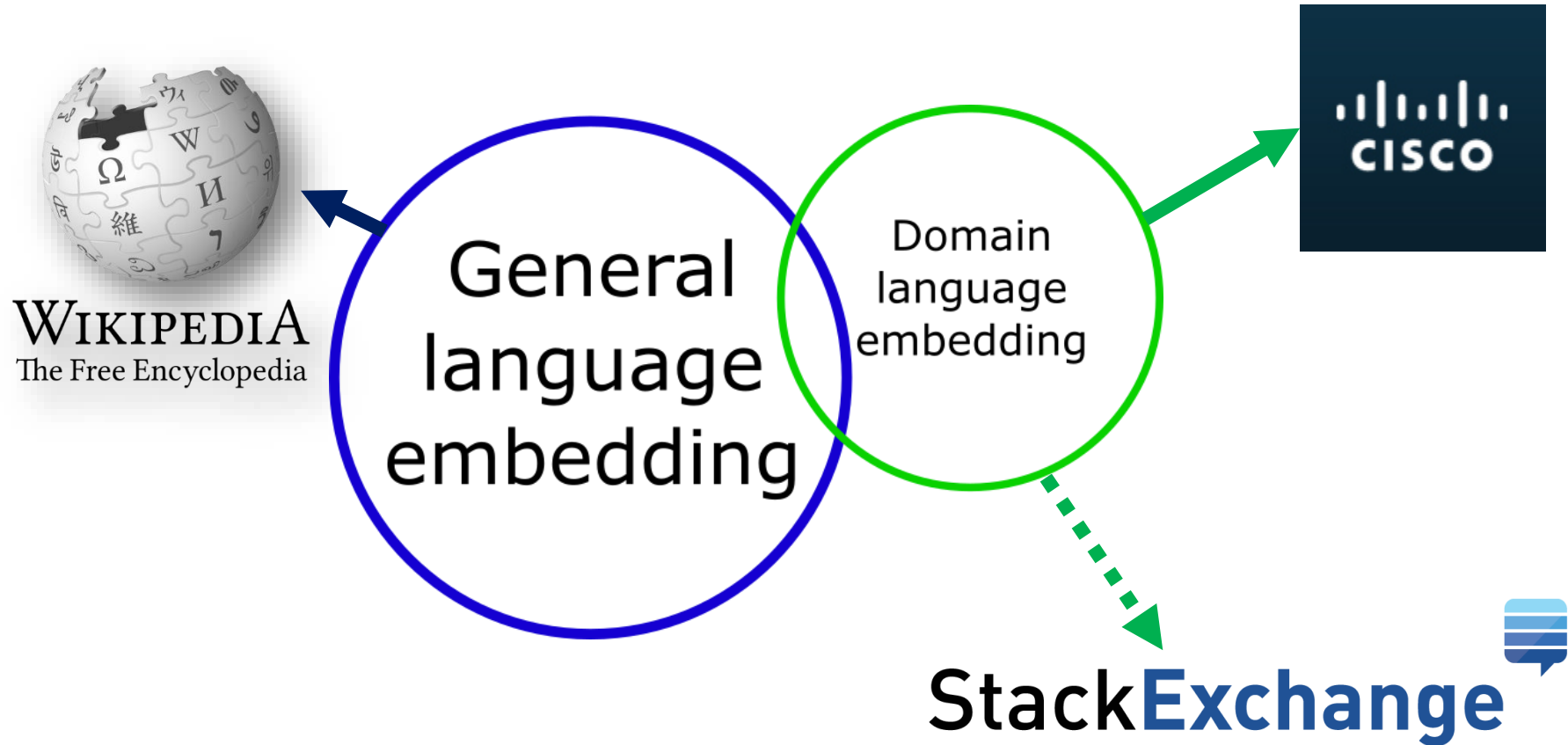


~~motel [0 0 0 0 0 0 0 0 1 0 0 0 0] AND  
hotel [0 0 0 0 0 0 1 0 0 0 0 0 0] = 0~~

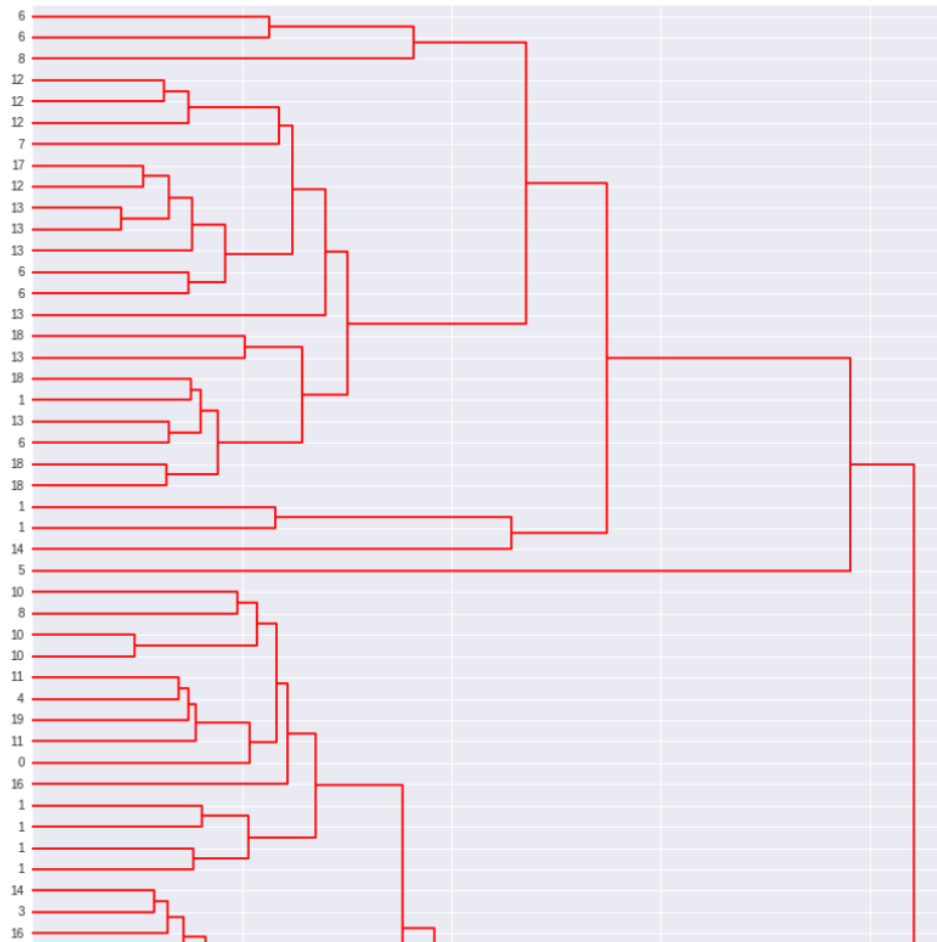




Polyglot embeddings: <https://sites.google.com/site/rmyeid/projects/polyglot#TOC-Download-the-Embeddings>



# Post ID



$$score = \left( \sum_{tags(d_i) \cap tags(d_j) \neq \emptyset} simil(d_i, d_j) \right) - \left( \sum_{tags(d_i) \cap tags(d_j) = \emptyset} simil(d_i, d_j) \right)$$



0.519

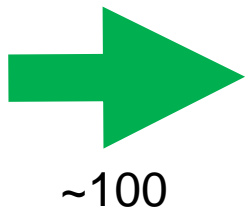


0.730

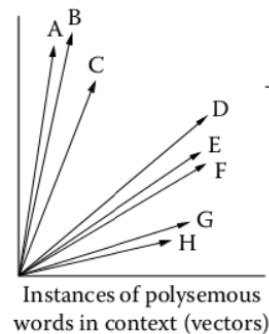




- Fast TF-IDF search
- Horizontally scalable

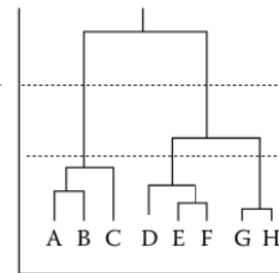


~100



	A	B	C	D	E
A	0	2	4	13	17
B	2	0	3	11	14
C	4	3	0	9	12
D	13	11	9	0	2
E	17	14	12	2	0

Derived distances  
and possible singular  
value decomposition,  
then clustering



Derived clusters  
(and possible cuts)

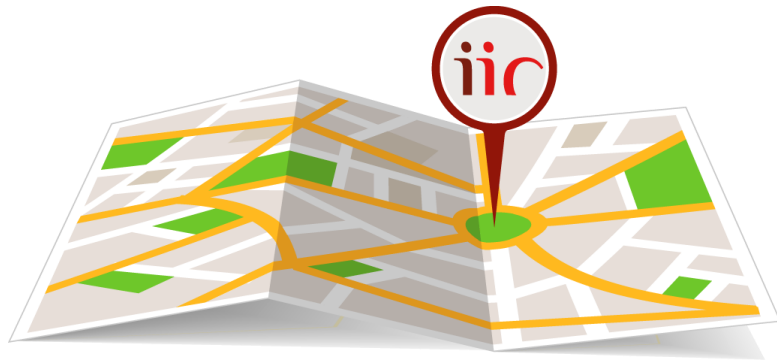
- Fine-detail search for semantics


- ✓ Real-time recommendations for already existing solutions to new questions might be possible using semantic embeddings
- ✓ Faster troubleshooting for users  
→ Increase in customer satisfaction
- ✓ Reduction of repetitive burden on technical support team  
→ Increase in productivity



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