

J.E.F.F. JAPE Extension For Fun

...

By Andrew Acosta, Andrew Wang, and Sam Wu

Overview

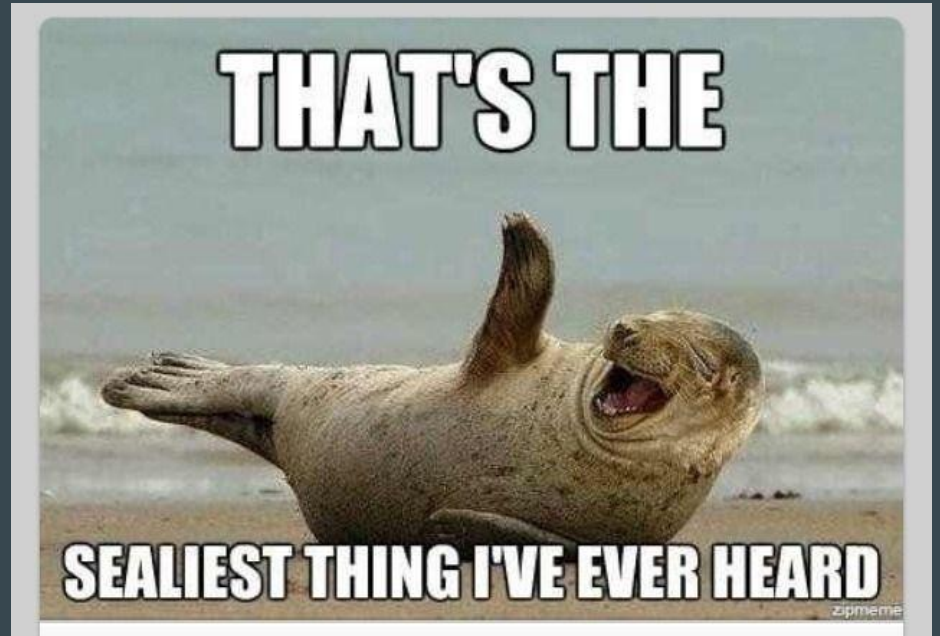
- Who is J.E.F.F.
- Why is it important
- Our Knowledge Base
- Pun Structures
- Demo
- What we learned

Who is J.E.F.F.

J.E.F.F. is a pun generator that works off of a knowledge base and premade punning algorithms

Why did someone annotate a craftsman?

So they could write a wright.



Who is J.E.F.F. (Not the guy sitting over there)

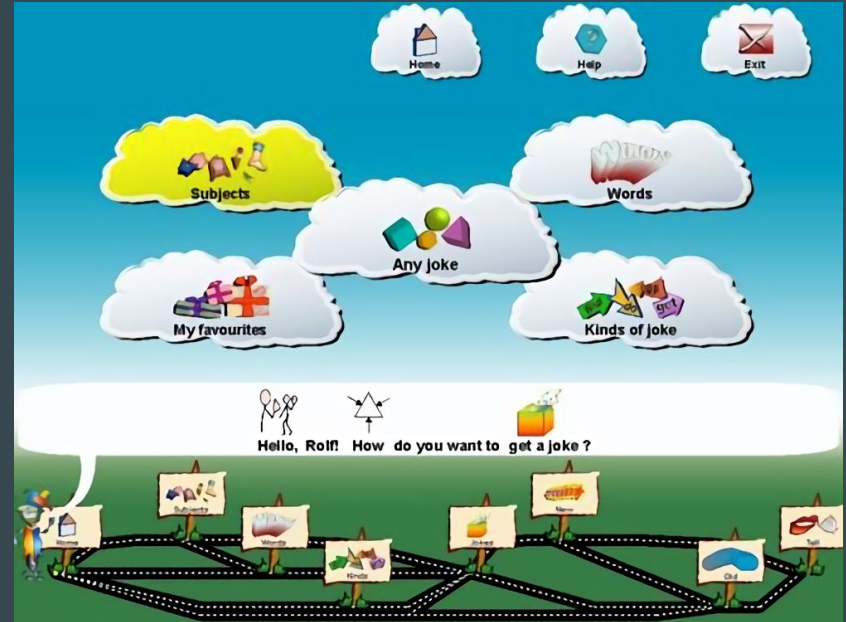
- J.E.F.F. is built off of an old pun generation algorithm called JAPE
- JAPE was originally made in 1981, and has had many improvements since then
- Created punning riddles like:

What do you call a naked bruin? *A grizzly bare*



Why is it important

1. Make computers feel more human
2. Help improve people's day
3. Explore language! Pun software has been used to help kids learn language!
4. In the end, this is for fun. And what is more important than that?

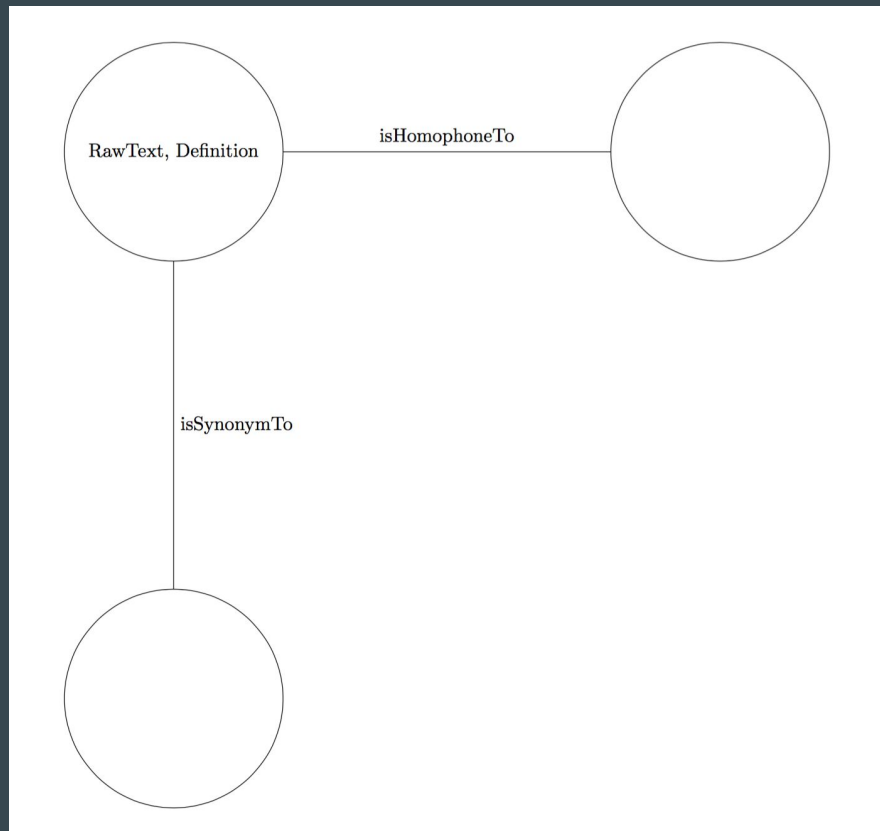


Our Knowledge Base



Ontology

- Word
 - Adjective
 - Verb
 - Noun



Pun Structures

Our structures use homophones, their definitions, and their synonyms.

Which structure we used are based on the part of speech for the two homophones, their synonyms, and if we use their definitions or not.

Pun Structures

- **N2V2:** Why did someone dramatize a turn?
 - So they could write a right.
- **N4:** When is an unit like a reward?
 - When it is a carrot.
- **NA:** What do you call a large African antelope having a head with horns like an ox and a long tufted tail unaffected by use or exposure?
 - A new gnu.
- **N2:** When is a light fitful sleep like an operating system that is on a disk?
 - When it is a dos.



DEMO
Time

What We Learned

1. Puns are HARD! Respect your local punnist
2. Even A.I. can make dirty jokes and racist jokes
3. Language is complex and there are many words we don't know

Sources

- The JAPE riddle Generator, Graeme Ritchie, https://www.academia.edu/403908/The_JAPE_Riddle_Generator_Technical_Specification
- Computational Humor, <http://computationalhumor.tumblr.com/>
- Simple joke jenerator, https://github.com/leapingllamas/p-value.info/tree/master/jokes_2013_01

ANY
QUESTIONS
?