What does it mean to be an item?

What does it mean to be an attribute?
1. Who is this visualization for?

2. How does it help them?
Lexical
Xhrdna asdf nkwub.

Syntactical
Cats into swam.

Semantic
The puddle farts Paris.

Logical
He shaved a bicycle.
Lexical
Xhrdna asdf nkrwub.

Syntactical
Cats into swam.

Semantic
The puddle farts Paris.

Logical
He shaved a bicycle.
Lexical
Xhrdna asdf nkrwub.

Syntactical
Cats into swam.

Semantic
The puddle farts Paris.

Structural
Lexical
Xhrdna asdf nkrwub.

Syntactical
Cats into swam.

Semantic
The puddle farts Paris.

Structural
house friend rotate black and white cheese milk temporary the house black house computer
young confessor" (237.11)—an obvious reference to Joyce's brother, Stanislaus—they comment, "You have not brought singing members into the house of Amanti. Elleb Inan, Titep Nutep, we name them to the Hall of Honour" (237.25-27). The setting is unmistakably Egyptian, but the subject is love. *Ameniti* is Italian for lovers, but the house of *Ameniti* is also a pun for the Egyptian *Ameniti*, the Book of the Dead. Death and Love are synonymous in the Tristan Legend, particularly in Wagner's operatic version where the "love-death" aria begins "*Mild und leise*"—"locally known as Mildew Lisa" (40.17) or "mild aunt Lisa" (388.4). The mock-Egyptian nonsense syllables Elleb Inan, Titep Nutep add to the setting and assure that the *Ameniti* significance is not overlooked, but they can also be read backward as belle main, petit pater—beautiful hands, small feet—which Mason reminds us characterizes Joyce's brother, but which Kevin Sullivan credits as a characteristic of Joyce himself.

The extent to which Joyce can control the poetic medium utilizing the pun for an artistic balance can be seen in such tightly constructed episodes as that of "Jarl van Hoothen and the Prikequartz" (21:33). The tale is told in a three-part form covering the three arrivals of the pirates at the castle of the jarl, yet the balance is disproportionate since the first states all the themes for the tale, the second is compressed for heightened action, and the third is expanded to include the new turns of events. The three events of the riddle provide the perfect balance, forming the frame for the story: "Mark the Wans, why do I am aloke a pass of porepoease?" (21:18-19). *Mark the Wans* becomes "Mark the Twy" (22.5) and then the "Tris" (22.29), and the riddle asks about "two pass" and then "three" as it progresses. (In the third instance, porepoease splits from the monolithic *porepoease*.)

When the jarl is first seen, he "had his burnt head high up in his lamhouse" (21:10)—he is the giant of Vico's first stage as well as the lighthouse on the Hill of Howth. But the second introduction to van Hoothen finds him with "his bareholobruised heels drowned in his cellarmait" (21:35)—prehistoric man having...
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The 2007 State of the Union Address

Over the years, President Bush’s State of the Union address has averaged almost 5,000 words each, meaning the the President has delivered over 34,000 words. Some words appear frequently while others appear only sporadically. Use the tools below to analyze what Mr. Bush has said.

Use of the phrase “Iraq” in past State of the Union Addresses

<table>
<thead>
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<th>2004</th>
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<td>27</td>
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<td>34</td>
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</table>

Compared with other words

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<th>2004</th>
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<th>2006</th>
<th>2007</th>
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<td>21</td>
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</tr>
<tr>
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<td>4</td>
<td>3</td>
<td>5</td>
<td>3</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>Economic(s)</td>
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<td>7</td>
<td>13</td>
<td>17</td>
<td>14</td>
<td>23</td>
</tr>
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<td>6</td>
<td>1</td>
<td>6</td>
<td>3</td>
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<td>Iran</td>
<td>2</td>
<td>21</td>
<td>24</td>
<td>27</td>
<td>16</td>
<td>34</td>
</tr>
<tr>
<td>Oil</td>
<td>2</td>
<td>3</td>
<td>5</td>
<td>3</td>
<td>6</td>
<td>5</td>
</tr>
<tr>
<td>Social Security</td>
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<td>2</td>
<td>2</td>
<td>2</td>
<td>18</td>
<td>3</td>
</tr>
</tbody>
</table>

* As a newly elected president, Mr. Bush did not deliver a formal State of the Union address in 2001. His Feb. 27 speech to a joint session of Congress was analogous to the State of the Union, but without the title.

Iraq continues to thwart its hostility toward America and to support terror. The Iraqi regime has plotted to develop anthrax, and nerve gas, and nuclear weapons for over a decade. This is a regime that has already used poison gas to murder thousands of its own citizens -- leaving the bodies of mothers heaped over their dead children. This is a regime that agreed to international inspections -- then kicked out the inspectors. This is a regime that has something to hide from the civilized world.

--- 2002 (Paragraph 29 of 67)
young confessor” (237.11)—an obvious reference to Joyce’s brother, Stanislaus—they comment, “You have not brought singing members into the house of Amanti. Elleb Inam, Tilep Notep, we name them to the Hall of Honour” (237.25-27). The setting is unmistakably Egyptian, but the subject is love. *Amanti* is Italian for lovers, but the house of *Amanti* is also a pun for the Egyptian *Amanti*, the Book of the Dead. Death and Love are synonymous in the Tristam Legend, particularly in Wagner’s operatic version where the “love-death” aria begins “Mild and lose”—“locally known as Mildrew Lisa” (40.17) or “mild aunt Lisa” (388.4). The mock-Egyptian nonsense syllables Elleb Inam, Tilep Notep add to the setting and assure that the *Amanti* significance is not overlooked, but they can also be read backward as belle mani, petit pote—beautiful hands, small feet—which Mason reminds us characterizes Joyce’s brother, but which Kevin Sullivan credits as a characteristic of Joyce himself.

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Rom 9:5. Whose are the fathers, and of whom as concerning the flesh Christ came, who is over all, God blessed for ever. Amen.
answers = {}; buildData(workbook);
buildLegend();
populateSearch();
indexData();
HandleSort();
}

reader.readAsBinaryString(f);

function buildLegend()
{
    var legendSize = glyphSize;

    var svg = d3.select("#legend");

    // False Negatives
    svg.append('circle')
        .attr("cx", (legendSize / 2))
        .attr("cy", (legendSize / 2))
        .attr("r", (legendSize / 2))
        .attr("fill", "#999999");

    svg.append('text')
        .attr("x", (legendSize / 2) + 10)
        .attr("y", (legendSize / 2) - 1)
        .attr("fill", "White")
        .attr("font-family", "sans-serif")
        .attr("font-size", "12px")
        .text("Total False Negatives");

    svg.append('circle')
        .attr("cx", (legendSize / 2))
        .attr("cy", legendSize + 3 + (legendSize / 2))
        .attr("r", (legendSize / 2))
        .attr("fill", "#474747");

    svg.append('text')
        .attr("x", (legendSize / 2) + 10)
        .attr("y", (legendSize * 2) + 3 - 1)
        .attr("fill", "White");
FR88513-0157

AP: Groups Seek $1 Billion a Year for Aging Research

SJMN: WOMEN’S HEALTH LEGISLATION PROPOSED

AP: Older Athletes Run For Science

FR: Committee Meetings

FR: October Advisory Committees; Meetings

FR88120-0046

FR: Chronic Disease Burden and Prevention Models; Program A

AP: Survey Says Experts Split on Diversion of Funds for AIDS

FR: Consolidated Delegations of Authority for Policy Development

SJMN: RESEARCH FOR BREAST CANCER IS STUCK IN P
Alice's Adventures In Wonderland
Alice's Adventures In Wonderland
They very soon came upon a Gryphon, lying fast asleep in the...
young confessor” (237.11)—an obvious reference to Joyce’s brother, Stanislaus—they comment, “You have not brought sinking members into the house of Amenti. Elleb Inam, Titeb Notep, we name them to the Hall of Honour” (237.25-27). The setting is unmistakably Egyptian, but the subject is love. Amentii is Italian for lovers, but the house of Amenti is also a pun for the Egyptian Amenti, the Book of the Dead. Death and Love are synonymous in the Tristan Legend, particularly in Wagner’s operatic version where the “love-death” aria begins “Mild und leise”—“locally known as Mildew Lisa” (40.17) or “mild aunt Lisa” (388.4). The mock-Egyptian nonsense syllables Elleb Inam, Titeb Notep add to the setting and assure that the Amenti significance is not overlooked, but they can also be read backward as belle mère, petit père—beautiful hands, small feet—which Mason reminds us characterizes Joyce’s brother, but which Kevin Sullivan credits as a characteristic of Joyce himself.

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---

Remove stop words and the of by to on

Remove punctuation

People people people? people. but not....

U.S.A.  J.D. Salinger

Entities and phrases

San Francisco  on fleek

Stemming

visualization visually visuals
goes went gone go
1. Who is this visualization for?

2. How does it help them?
- Misleading size encodings
- Unstable layout
- Sub-optimal size comparisons
- Lose text structure
expensive or cheap? sushi

“long wait” or “no wait”? what type of sushi roll?
Lexical
Xhrdna asdf nkrwub.

Syntactical
Cats into swam.

Semantic
The puddle farts Paris.

Structural
Lexical
Xhrdna asdf nkrwub.

Syntactical
Cats into swam.

Semantic
The puddle farts Paris.

Structural
The grand jury commented on a number of other topics.
possess sage of the halos wisdom, and know in advance *sushi zone* only accepts cash and the waits will be **long** and arduous.

yes, it's a **long** wait, learn the master of zen if you want to eat here.

we came here early to try to avoid the **long** wait most people here talk about.
these truths to be self-evident, that all men are created equal, that they are endowed by their creator with certain unalienable rights

the rest of mankind, enemies in war, in peace friends.

petitioned for redress in the most humble terms: our repeated petitions have been answered only by repeated injury.

warned them from time to time of attempts by their legislature to extend an unwarrantable jurisdiction over us.

reminded them of the circumstances of our emigration and settlement here.

appealed to their native justice and magnanimity, and we have conjured them by the ties of our common kindred to disavow these usurpations, which would inevitably interrupt our connections and correspondence.

been wanting in attentions to our British brethren.

must, therefore, acquiesce in the necessity, which denounces our separation, and hold them, as we hold the rest of mankind,

therefore, the representatives of the united states of america, in general congress, assembled, appealing to the supreme judge of the world

mutually pledge to each other our lives, our fortunes, and our sacred honor.
I have a dream...
Data set Structure

- President Governor George W. Bush
- President Governor Governor Attorney General Clinton
- President Vice President Ambassador CIA Liaison Representative George HW Bush
- President Governor Reagan
- President Governor State Senator Carter
- President Vice President Representative Ford
- President Vice President Senator Representative Nixon
- President Vice President Senator Representative Johnson
- President Senator Representative Kennedy
- President General Eisenhower
- President Vice President Senator Truman
- President Governor Secretary of the Navy State Senator Franklin Roosevelt
- President Secretary of Commerce Humanitarian Hoover
- President Vice President Governor Coolidge
- President Senator Lt Governor State Senator Harding
- President Governor University President Wilson
- President Secretary of War Governor-General of Philippines Federal Judge

Pathways to the Presidency

- president
- vice_president
- governor
- senator
- representative
The image shows a concordance software interface with a table listing words such as "HEART" with their respective counts and contexts in a larger text. The software appears to be used for literary analysis, specifically for finding instances of specific words within a text and their surrounding context. The interface includes columns for headwords, contexts, word counts, and references, indicating a tool for linguistic research or analysis.
Lexical
Xhrdna asdf nkrwub.

Syntactical
Cats into swam.

Semantic
The puddle farts Paris.

Structural
Lexical
Xhrdna asdf nkrwub.

Syntactical
Cats into swam.

Semantic
The puddle farts Paris.

Structural
Effective statistical models for syntactic and semantic disambiguation

Student: Kristina Nikolova Toutanova
Advisor: Christopher D. Manning

Computer Science (2005)

Keywords: Syntactic, Semantic, Tree kernels, Parsing

Abstract:

This thesis focuses on building effective statistical models for disambiguation of sophisticated syntactic and semantic natural language (NL) structures. We advance the state of the art in several domains by (i) choosing representations that encode domain knowledge more effectively and (ii) developing machine learning algorithms that deal with the specific properties of NL disambiguation tasks—sparsity of training data and large, structured spaces of hidden labels. For the task of syntactic disambiguation, we propose a novel representation of parse trees that connects the words of the sentence with the hidden syntactic structure in a direct way. Experimental evaluation on parse selection for a Head Driven Phrase Structure Grammar shows the new representation achieves superior performance compared to previous models. For the task of disambiguating the semantic role structure of verbs, we build a more accurate model, which captures the knowledge that the semantic frame of a verb is a joint structure with strong dependencies between arguments. We achieve this using a Conditional Random Field without Markov independence assumptions on the sequence of semantic role labels. To address the sparsity problem in machine learning for NL, we develop a method for incorporating many additional sources of information, using Markov chains in the space of words. The Markov chain framework makes it possible to combine multiple knowledge sources, to learn how much to trust each of them, and to chain inferences together. It achieves large gains in the task of disambiguating prepositional phrase attachments.
Look away, Justin! Bieber’s teen girlfriend Sofia Richie is spotted with handsome man as they leave West Hollywood dinner. **Sofia Richie** has been dating Justin Bieber for one month. But on Wednesday evening the 18-year-old model was spotted in the company of another handsome man. **Sep 1, 2016**

Justin Bieber and girlfriend Sofia Richie put on another steamy PDA... **Sep 1, 2016**

Is Sofia Richie Justin Bieber’s New Girlfriend - Justin Bieber May Be... **Aug 15, 2018**

Justin Bieber's girlfriend Sofia Richie spotted with man as they leave a... **Sep 1, 2016**

Justin Bieber's girlfriend Sofia Richie says they have a 'special... **Sep 8, 2016**

Justin Bieber’s GF Sofia Richie Seen With Bronte Blampied... **Sep 19, 2016**
Lexical
Xhrdna asdf nkrwub.

Syntactical
Cats into swam.

Semantic
The puddle farts Paris.

Structural
Lexical
Xhrdna asdf nkrwub.

Syntactical
Cats into swam.

Semantic
The puddle farts Paris.

Structural
'Twas the Night Before Christmas: A Visit by Clement Clarke Moore (1779-1863)

'Twas the night before Christmas, when all through the house
- Not a creature teacher was stirring, not even a mouse spouse.
- The stockings were hung by the chimney with care I swear,
  In hopes that St Nicholas Nick soon would be there
  is on Medicare.

The children were nestled all snug in the beds,
While millions visions of beanie babies sugar plums danced in on their sledheads.
And mamma in her spurs kerchief, and I in my chapseap,
Had just settled a quarrel over reggae or rapour brains for a long winter's nap.
Revisions of 'Text-TagTemplate/TagTemplate.pm'

<table>
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<td>Added new methods: tag_start[...]</td>
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<tr>
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<td></td>
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<td>Fixed VERSION in perldoc. (Set to 1.6.1)</td>
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<tr>
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<td></td>
<td>11/20/03 2:27 AM</td>
<td>matisse</td>
<td></td>
</tr>
</tbody>
</table>

Workspace file: TagTemplate.pm

```perl
} else {
    $tags = $self->{ TAGS };
}

# Loop until we have replaced all the tags.
while ( $string =~ /<[^>]+>/g ) {
    my $regex = $self->tag_pattern();
    ...
```

Repository file: TagTemplate.pm

```perl
} else {
    $tags = $self->{ TAGS };
}

# Loop until we have replaced all the tags.
while ( $string =~ /<[^>]+>/g ) {
    my $contents = $1;
    my $q_contents = quotemeta $contents;
    my $o_contents = $contents; # preserve in case we're
    # Remove leading and trailing whitespace.
    $contents =~ s/^\s+//;
    $contents =~ s/\s+$//;
    # Remove whitespace in quoted values.
    $contents =~ s/\"(\[\"]\)*\"/\"$contents"/;
    ...
```
Animated Traces:

https://fathom.info/traces/
History Flow
This is a visualization method for seeing the evolution of a document over time. Currently it is meant as a tool for exploratory data analysis in the WikiProject; we ourselves are the target audience. However it would be interesting to develop it further. In particular, it seems possible that it would be useful for looking at the evolution of other documents.

Example: the evolution of the page on "Abortion" on the Wikipedia through several dozen versions. (This is real data) Time goes left-to-right; document position is on the y-axis; each "streak" is a piece of text that remains the same from version to version.
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Example: the evolution of the page on "Abortion" on the wikipedia through several dozen versions. (this is real data)
Time goes left-to-right; document position is on the y-axis; each "streak" is a piece of text that remains the same from version to version.
Gary King is a political scientist who has authored or coauthored seven books (six published and one forthcoming) and nearly 200 journal articles and book chapters. He currently teaches the course "Government 2001: Advanced Quantitative Methodology and Political Inference" at Harvard University. There is a lot of work in that class and we're really screwed.

Selected publications


References

Dear [Name],

I'm testifying at the Congressional hearing on Enron and are trying to understand the market-based solution. I think Jeff's comments were taken out of context. He said policymakers need to take care of small customers whose bills are tripling. Frankly, we'd get slaughtered if we said anything else. But he also says there is a right way and a wrong way to do it.

Enron and others had provided a market-based answer by offering a fixed price deal to SFWA (which would have enabled them to cap rates to those who had not switched). California elected instead to cap rates and deferral (is a deferral account). I don't think we can stand for anything that doesn't protect the small customers, but we can continue to emphasize the market-based solutions. One of the messages in my testimony will be: customers should be encouraged to choose. Those who did are doing fine.
Lexical
Xhrdna asdf nkrwub.

Syntactical
Cats into swam.

Semantic
The puddle farts Paris.

Structural