

Introduction

CSCI 384: Computational Linguistics

CSCI 384

August 26, 2015

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Ads related to reupholstering couch

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Furniture Reupholstery - weberfurniture.com
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Craftsmen at Weber recover & repair your sofas and chairs. Since 1950.

How to Reupholster a Couch: 12 Steps (with Pictures) - wikiHow
www.wikihow.com/.../Furniture and Cabinets > Couches and Sofas
How to Reupholster a Couch. Re-upholstering furniture is a great way to personalize mass-produced furniture, or furniture whose upholstery has seen better ...

TLC "How to Reupholster a Couch"
tlc.howstuffworks.com > Home > DIY Projects > Furniture Restoration

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About 2,130,000 results (0.58 seconds)

Taft family - Wikipedia, the free encyclopedia
en.wikipedia.org/wiki/Taft_family

The **Taft family** of the United States hails from Cincinnati, **Ohio**, with historic ... The Tafts **were** very prominently represented as soldiers in the Revolutionary War, He is **not** a **political** figure; he is only included because his daughter, Emily Taft ...


William Howard Taft - Wikipedia, the free encyclopedia
en.wikipedia.org/wiki/William_Howard_Taft

William Howard Taft was born into the powerful **Taft family** September 15, 1857, ... After admission to the **Ohio** bar, Taft was appointed Assistant Prosecutor of Hamilton ... Of Taft's appointment, Roosevelt said, "If only there **were** three of you; I could ... It did **not** take long for Taft's markedly different style, and lack of **political** ...

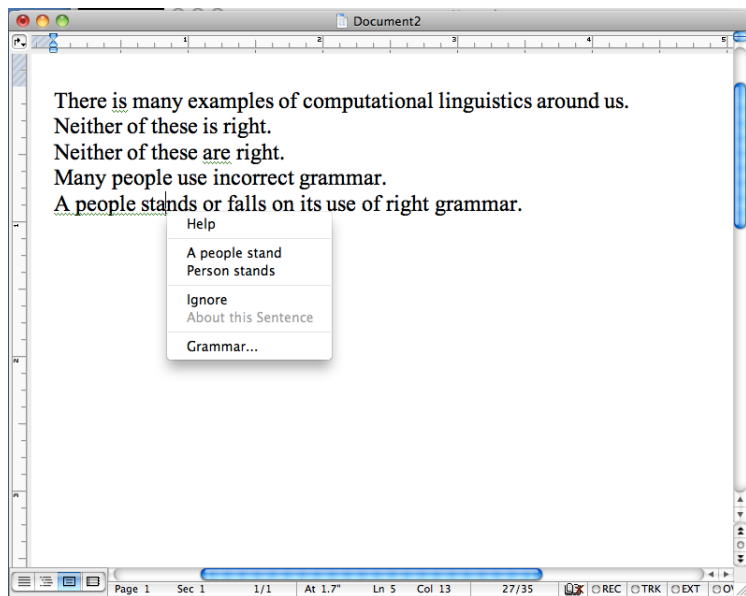
The Political Graveyard: Taft family of Ohio
politicalgraveyard.com/families/10334.html

... **are** the result of a computer algorithm working with the data I have, **not** the choices of any historian or genealogist. ... **Political** family: **Taft family of Ohio**.

Emerging scandals put Taft family's reputation in peril - Toledo Blade
www.toledoblade.com > News > State

 by Steve Eder - in 59 Google+ circles
Jun 26, 2005 - Robert A. Taft, right, **are** captured in a 1918 photo of the family. ... "One would have said if he was **not** a good governor from the point ... "It would appear the days of the **Taft family** dominating **politics** in **Ohio** and Cincinnati **are** ...

Grammar checking in Word



The screenshot shows a Microsoft Word window titled "Document2" with a ruler at the top. The text in the document is:

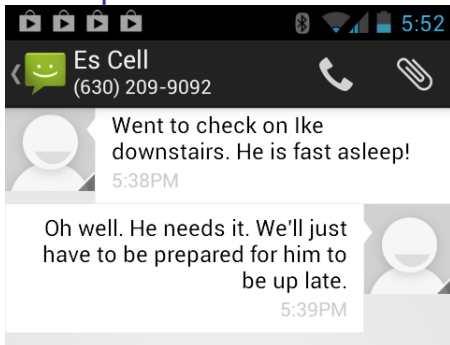
There is many examples of computational linguistics around us.
Neither of these is right.
Neither of these are right.
Many people use incorrect grammar.
A people stands or falls on its use of right grammar.

A context menu is open over the underlined phrase "A people stands", offering the following options:

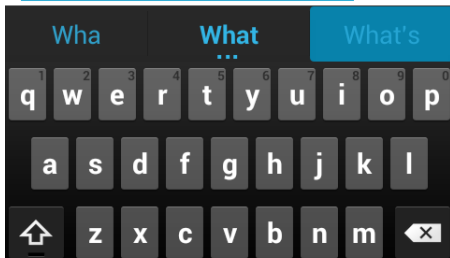
- Help
- A people stand
- Person stands
- Ignore
- About this Sentence
- Grammar...

The status bar at the bottom of the window displays: Page 1, Sec 1, 1/1, At 1.7", Ln 5, Col 13, 27/35. On the right side of the status bar, there are icons for spell check, recording, tracking, and extensions.

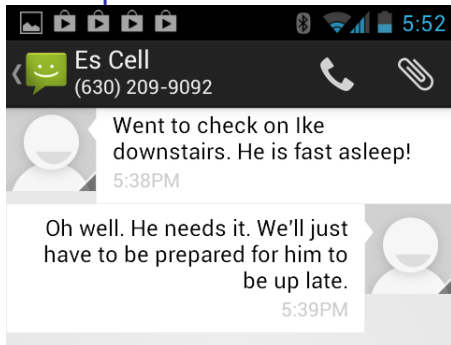
Text completion



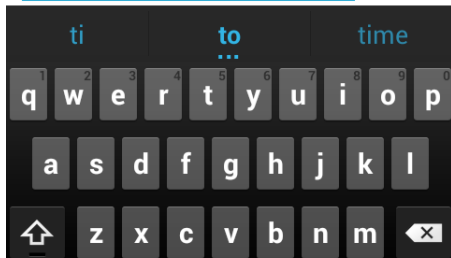
Wha



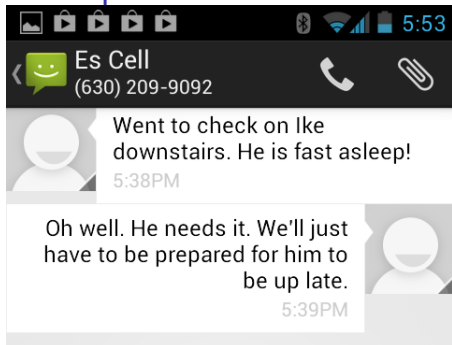
Text completion



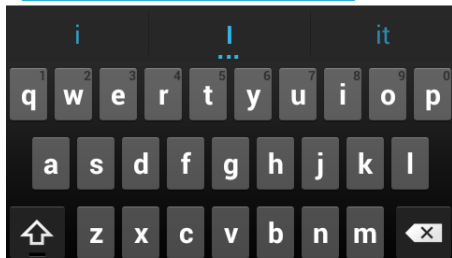
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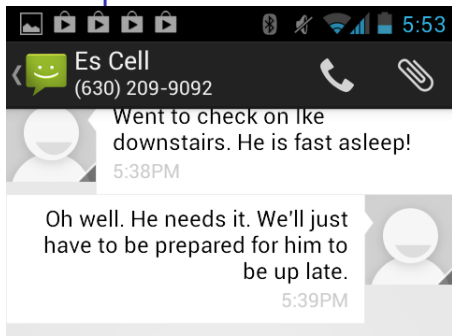
Text completion



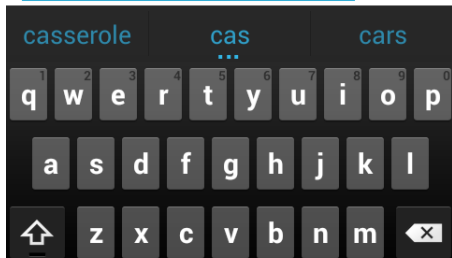
What time should i



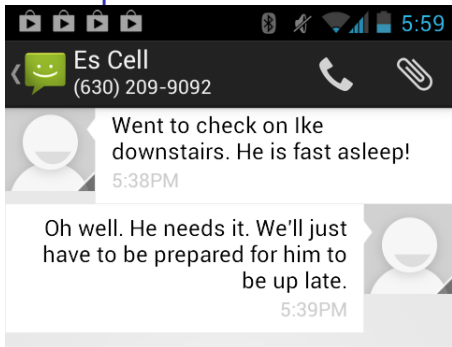
Text completion



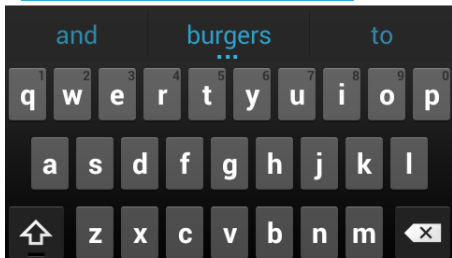
What time should I put the chicken cas



Text completion



Do you guys



IBM Watson



Source: CNN.com

Apple Siri



Source: apple.com

IDEAS MARKET

WEEK IN WORDS: ERIN MCKEAN



A field guide to unusual words in this week's Wall Street Journal.

Tasty Butterfly **papalo**

In the summer, she chops papalo up for homemade salsas and says it tastes like "cilantro on steroids."

—"Beyond Basic Herbs: Lesser-Known Greens Get Trendy," Personal Journal, May 1

Papalo comes from the word for "butterfly" in Nahuatl, the language of the Nahuatl people, many of whom live in central Mexico. It's also known as summer cilantro and Bolivian coriander (although botanically, it's unrelated to coriander).

A Cousin of Dozen **duodecad**

The Hill reports that the duodecad... last week introduced a resolution blaming global warming for "drought and reduced agricultural output," which they claim "can be particularly harmful for women."

—"Baby, It's Warm Outside," Best of the Web Today, WSJ.com, April 30

Duodecad means "a group of 12,"

SENTIMENT TRACKER: A COMPUTATIONAL ANALYSIS OF THE CONVERSATION ON SOCIAL NETWORKS

THE ORACLE OF CYBERSPACE?

The online buzz about Warren Buffett joining Twitter.

Out of 3,400 posts

39%

EXCITED

'You are a wonderful human being, Warren. Thank you for all you have done for the world. And welcome to Twitter!'

'Nice to have the "Oracle of Omaha" on Twitter. Looking forward to his insight.'

'You are a hero to me! So glad you set up an account.'



FIRST TWEET:
"@Warren Buffett: Warren is in the house."

Associated Press

1% DON'T CARE

'Following the richest man on Twitter won't help you get rich, people.'

'I guess people are starved for insight.'

57%

AMAZED AT NUMBER OF FOLLOWERS

'Warren Buffett is racking up followers faster than you can shake a fist full of money.'

'Every time I refresh Buffett's profile, he's gained 200 followers. Wow.'

'His Twitter following is growing as fast as his bank account.'

3%

JOKES

'What's next? The Pope joins Pinterest?'

'Justin Bieber still has more followers.'

'I already feel wealthier and more intelligent.'

'Now he can mess with the stock market in real time.'

'The average net worth of Twitter users just jumped.'

Source: **NETBASE** NetBase Solutions, Inc. Based on analysis of traffic from Twitter and Facebook between May 2 and May 3.

WEEK IN IDEAS: DANIEL AKST

Machine translation

Translation Party - Mozilla Firefox

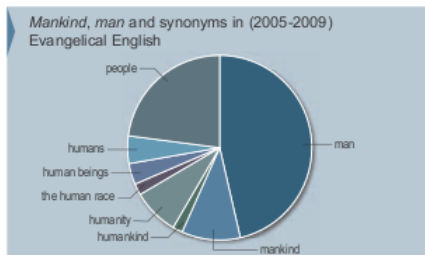
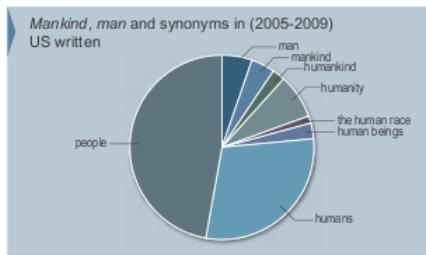
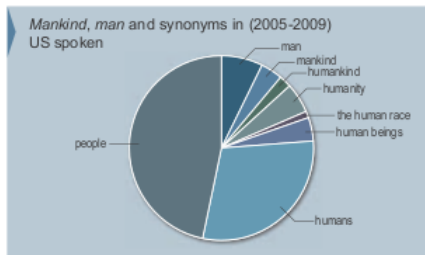
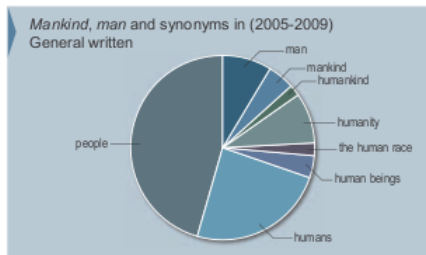
File Edit View History Bookmarks Tools Help

translationparty.com/#11008478

nltk babelize

No more fruit until you finish your hot dog.	let's go!
ないより多くの果物は、ホットドッグが完了するまで。	into Japanese
No more fruit to complete hot dog.	back into English
完全なホットドッグをないより多くのフルーツ。	back into Japanese
Perfect hot dogs no more fruit.	back into English
完璧なホットドッグ以上フルーツします。	back into Japanese
Perfect hot dogs over the fruit.	back into English
フルーツの上の完璧なホットドッグ。	back into Japanese
Perfect hot dogs on the fruit.	back into English
果実に完璧なホットドッグ。	back into Japanese
The hot dog is the perfect fruit.	back into English
ホットドッグは、完璧なフルーツです。	back into Japanese
Hot dog is the perfect fruit.	back into English
ホットドッグは、完璧なフルーツです。	back into Japanese
Hot dog is the perfect fruit.	back into English

NIV revision



Source: Collins Dictionaries, "The Development and Use of Gender Language in Contemporary English"

Tokens, types, and lemmas

I rose to saw off the still rose that I saw still grew near the still.

16 tokens.

Types occurring once: to, off, that, grew, near.

Types occurring twice: I, rose, saw, the.

Type occurring three times: still

Distinct lemmas: I, rise, to, saw (verb-cut), off, the, still (verb), rose (noun), that, see, still (adverb), grow, near, still (noun).

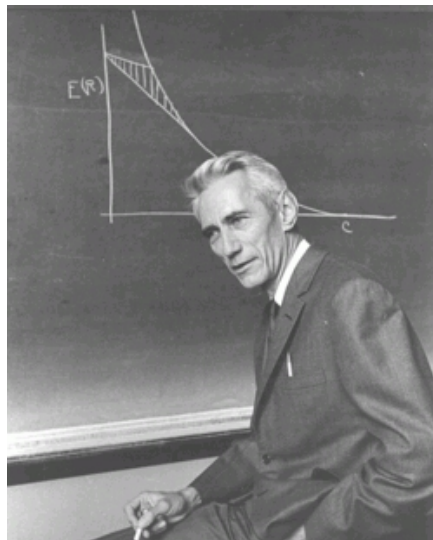
Alan Turing, 1912–1954



- ▶ World War II cryptanalysis
- ▶ Theory of computation (abstract machines deciding languages)
- ▶ The Turing test of machine intelligence

Source: Wikipedia

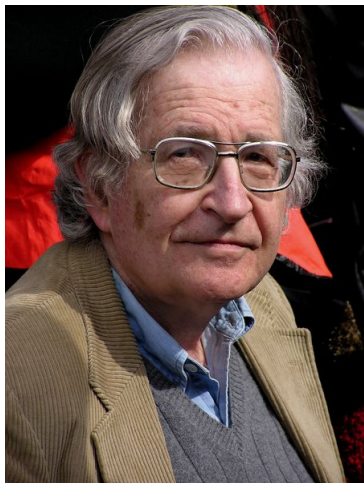
Claude Shannon, 1916–2001



Source: nyu.edu

- ▶ World War II cryptanalysis
- ▶ Information theory
- ▶ Noisy channel mode
- ▶ Entropy

Noam Chomsky, 1928–



Source: Wikipedia (Duncan Rawlinson)

- ▶ Formal linguistics
- ▶ Phrase-structural, generative grammars
- ▶ Context-free grammars
- ▶ Language hierarchy

Joseph Weizenbaum, 1923–2008



Source: mit.edu

- ▶ ELIZA conversational agent
- ▶ Social and ethical consequences of technology