

Introduction

CSCI 384: Computational Linguistics

CSCI 384

August 23, 2017

CL in a Google search

reupholstering couch - Google Search - Mozilla Firefox

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google.com https://www.google.com/search?q=painting+garage&ie=1 painting garage

+You Search Images Maps Play YouTube News Gmail Drive Calendar More -

Google reupholstering couch vandrunen.tj@

Web Images Maps Shopping More Search tools

About 110,000 results (0.15 seconds)

Ads related to reupholstering couch

Reupholstery/ refinishing 1 (877) 608 6295
www.smithrestoration.com/

Walter E. Smithe Restores Old Furniture to Like New Condition.
View Our Products - Living Room Furniture - Dining Room Furniture

Reupholstering Couch - Prices From Upholstery Experts
www.homeadvisor.com/Furniture-Pros

★★★★★ 1,547 reviews for homeadvisor.com
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HomeAdvisor has 636 followers on Google+
Contractor Sign Up - Member Login - Official HomeAdvisor Site - Contractors

Furniture Reupholstery - weberfurniture.com
www.weberfurniture.com/

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

Reupholstering a couch involves removing the old fabric, cutting and attaching new fabric, and making cushion covers. Learn how to reupholster a couch in this ...

Shop on Google

Edana collect
linen fabric up
convertible sl
with 2 throw p
\$420.99 - AM
and Design

See more shopping results on

Ads

Reupholstering Furniture
ask.com/Reupholstering+F

Over 100 Million Visitors.
Discover and Explore on Ask.c
Ask.com has 5,643 followers o
Google+

Best Upholstery Fabrics
www.kovifabrics.com/

Beautiful, Durable, Affordable
Get Free Shipping & Free Sam

Local Furniture Upholste
www.local.com/

Find Furniture Upholstery Near

CL in a Google search

The screenshot shows a Mozilla Firefox browser window with the title "Which Taft family politicians were not from ohio - Google Search - Mozilla Firefox". The address bar shows the URL "https://www.google.com/#sclient=psy-ab&q=Which...". The search bar contains the query "Which Taft family politicians were not from ohio". The search results are displayed below the search bar, showing about 2,130,000 results in 0.58 seconds. The first result is "Taft family - Wikipedia, the free encyclopedia" with a snippet: "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 ...". The second result is "William Howard Taft - Wikipedia, the free encyclopedia" with a snippet: "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 third result is "The Political Graveyard: Taft family of Ohio" with a snippet: "... 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.". The fourth result is "Emerging scandals put Taft family's reputation in peril - Toledo Blade" with a snippet: "... *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 ...". The fifth result is "William Howard Taft Biography - Facts, Birthday, Life Story ...".

Which Taft family politicians were not from ohio - Google Search - Mozilla Firefox

File Edit View History Bookmarks Tools Help

google.com https://www.google.com/#sclient=psy-ab&q=Which... Google

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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 ...

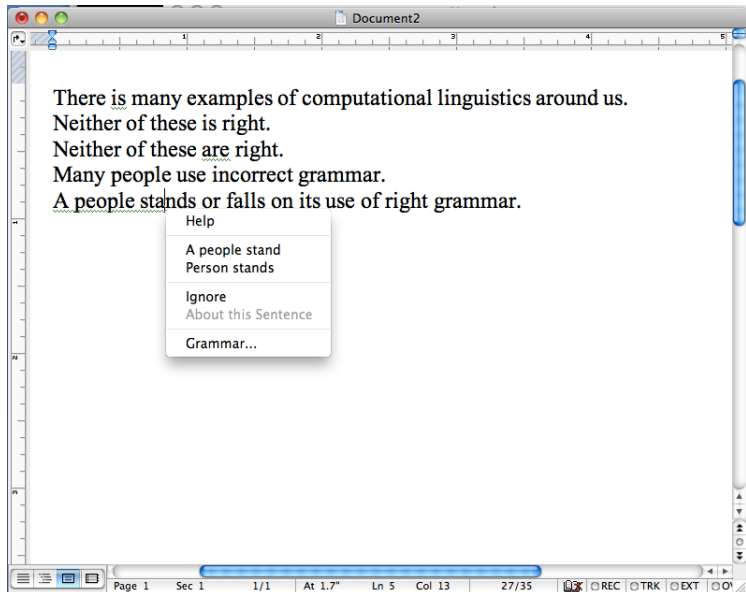
[William Howard Taft - Wikipedia, the free encyclopedia](#)
en.wikipedia.org/wiki/William_Howard_Taft ▾
William Howard Taft was born into the powerful Taft family September 15, 1857, ... After admission to the Ohio bar, Taft was appointed Assistant Prosecutor of Hamilton ... Of Taft's appointment, Roosevelt 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 ▾
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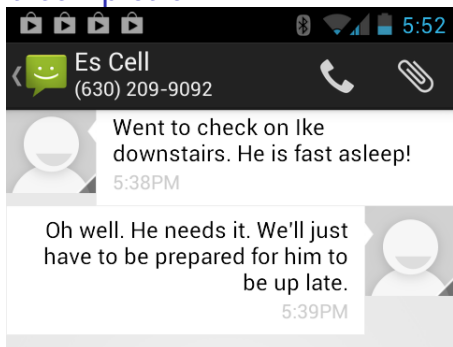
[Emerging scandals put Taft family's reputation in peril - Toledo Blade](#)
www.toledoblade.com > News > State ▾
by Steve Eder - in 59 Google+ circles
Jun 26, 2005 - Robert A. Taft, right, are captured in a 1918 photo of the family.
... *One would have said if he was not a good governor from the point ... "It would appear the days of the Taft family dominating politics in Ohio and Cincinnati are ...

[William Howard Taft Biography - Facts, Birthday, Life Story ...](#)

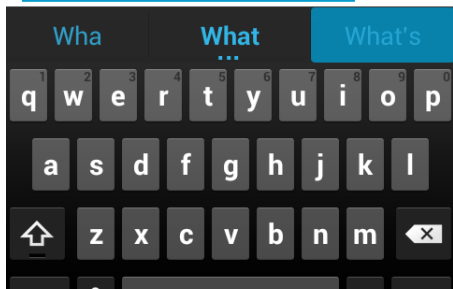
Grammar checking in Word



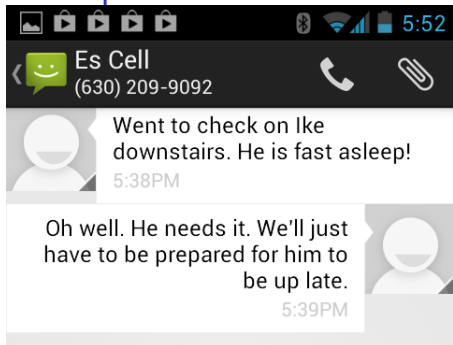
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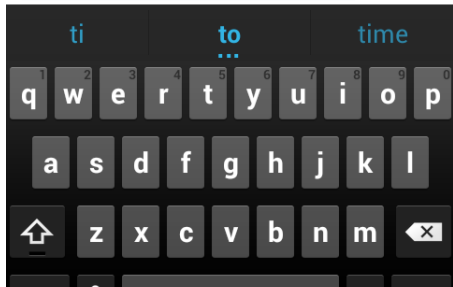
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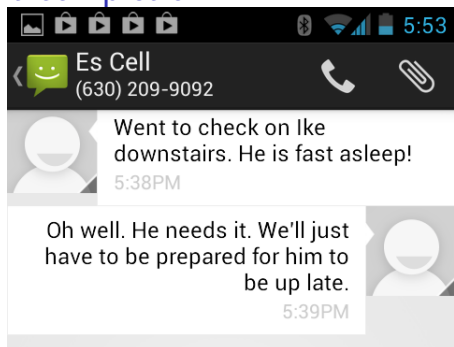
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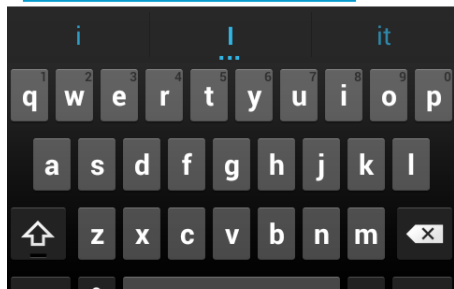
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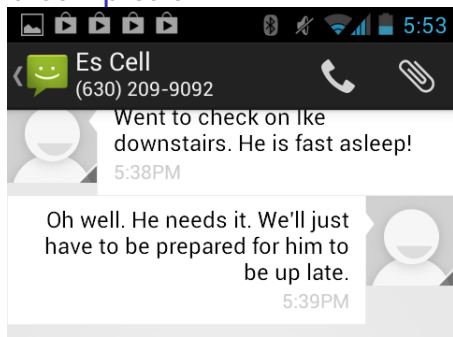
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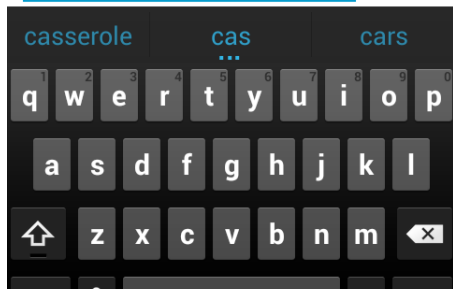
What time should i



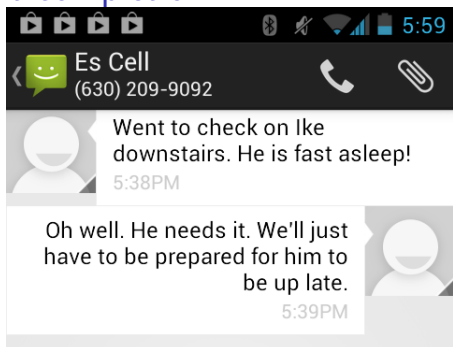
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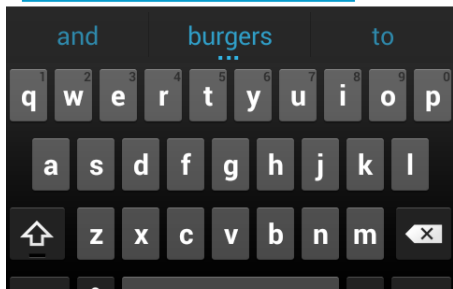
What time should I put the chicken cas



Text completion



Do you guys



IBM Watson



Image source: CNN.com

Apple Siri



Image 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 Nahua 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," and comes from the Latin word for the number 12. Other "12" words include dodecahedron (a solid with 12 sides)

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

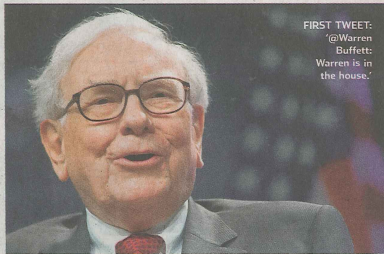
39%

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

to explain how the policies

A SHADE SHIFTING SCREEN

Machine translation

Translation Party - Mozilla Firefox

File Edit View History Bookmarks Tools Help

translationparty.com/#11008478 ntk 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。	beck 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。	beck into Japanese
Perfect hot dogs on the fruit.	back into English
果実に完璧なホットドッグ。	beck 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

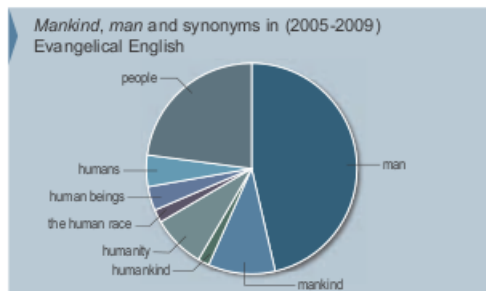
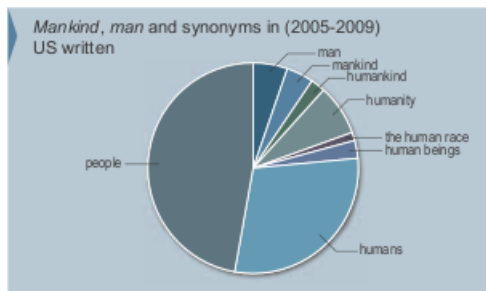
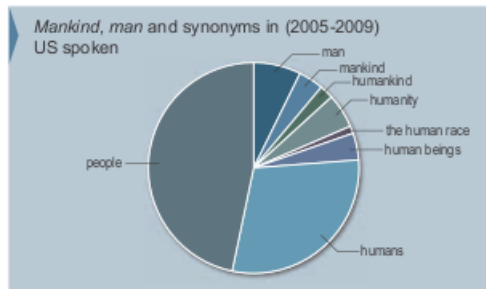
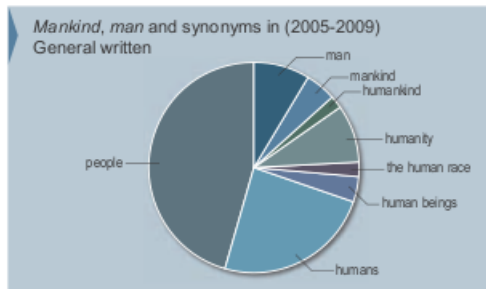


Image source: Collins Dictionaries, "The Development and Use of Gender Language in Contemporary English"

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



Image source: Wikipedia

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

Claude Shannon, 1916–2001

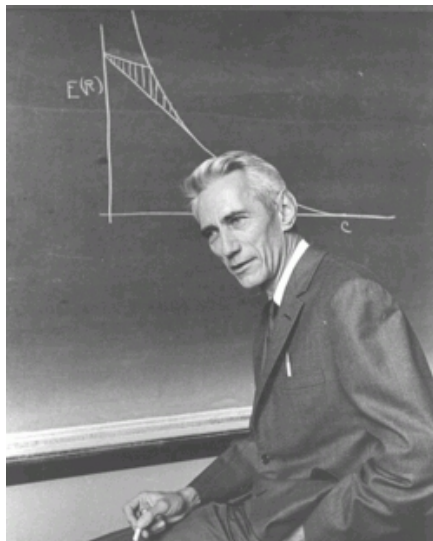


Image source: nyu.edu

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

Noam Chomsky, 1928–



Image source: Wikipedia (Duncan Rawlinson)

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

Joseph Weizenbaum, 1923–2008



Image source: mit.edu

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