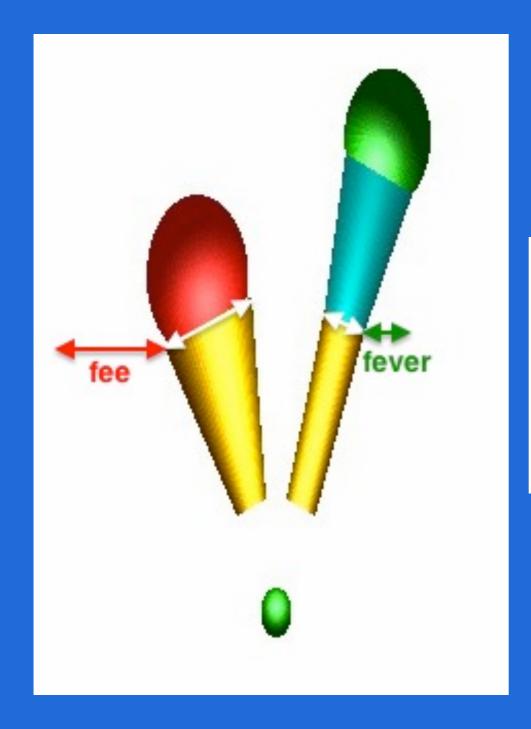
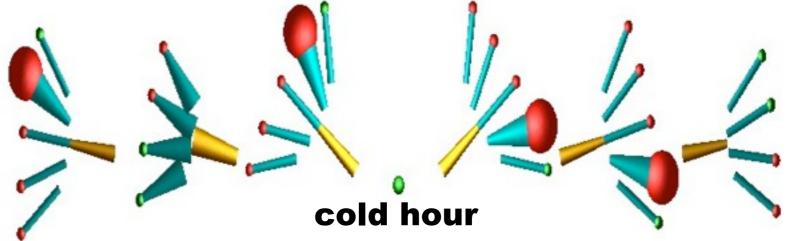


- Preliminary Vocab
- Introduction
- Implementation
- User Study
- Results
- Future Work
- Conclusion



a Visualization





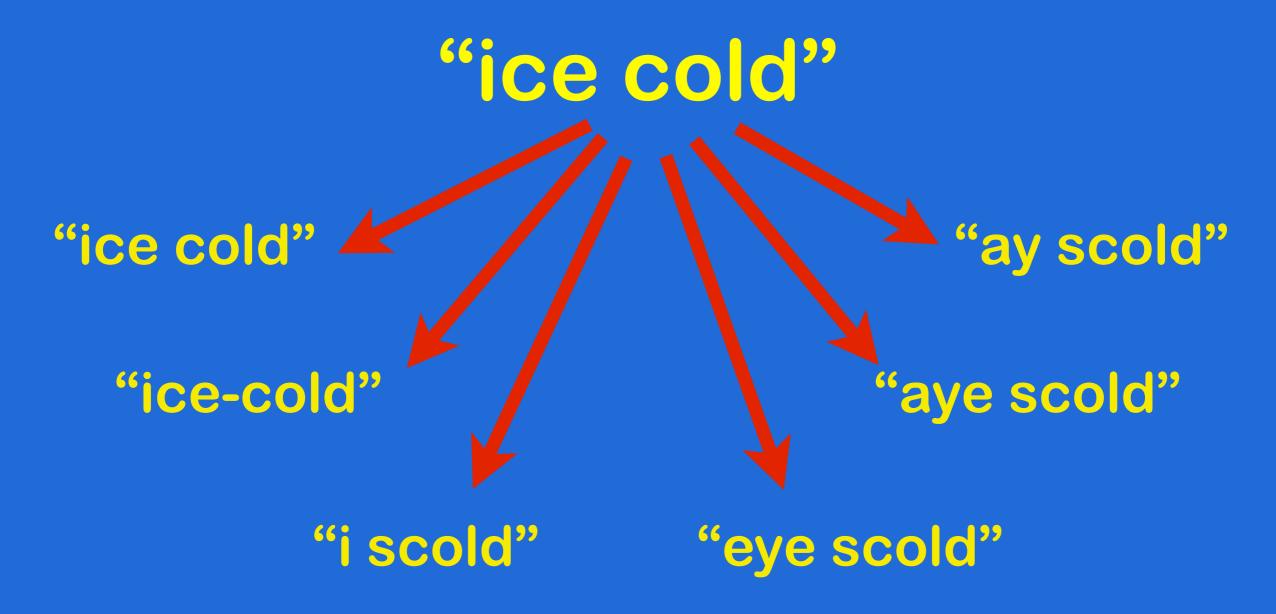


of Phonetic Ambiguity

"ice cold"



of Phonetic Ambiguity





for performance prose





vocab



Oronyms

ice cream pic i scream pic

ice cream

i scream

Preliminary Vocab



Mondegreens

Ye Highlands and ye Lowlands,
Oh, where hae ye been?
They hae slain the Earl O' Moray,
And Lady Mondegreen.



Orthography

See Spot. See Spot run. Run Spot run!

ABCDEFGHIJKLMNOPQRSTUVWXYZ

Preliminary Vocab



Phonetics & Phonology

"ice cold"

misheard me oronym tree

Preliminary Vocab

Phonetics & Phonology

phonetics is descriptive

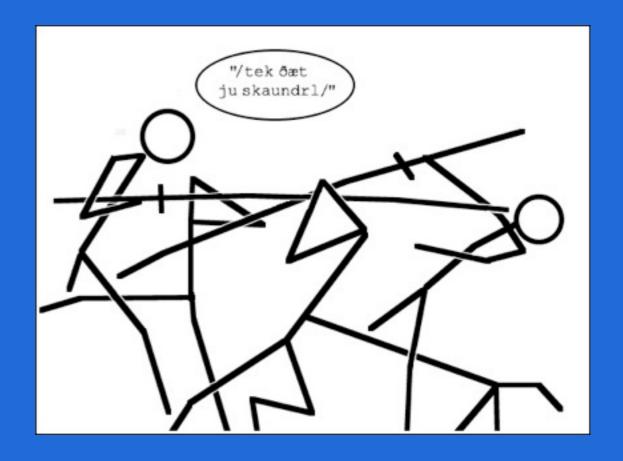
phonology is theoretical

Preliminary Vocab



Phonetics & Phonology





Preliminary Vocab



Phonetic Alphabet

"ice cold"

als kould

Preliminary Vocab



intro

Introduction



Groovin'

Introduction





Introduction





Introduction





Introduction





Introduction





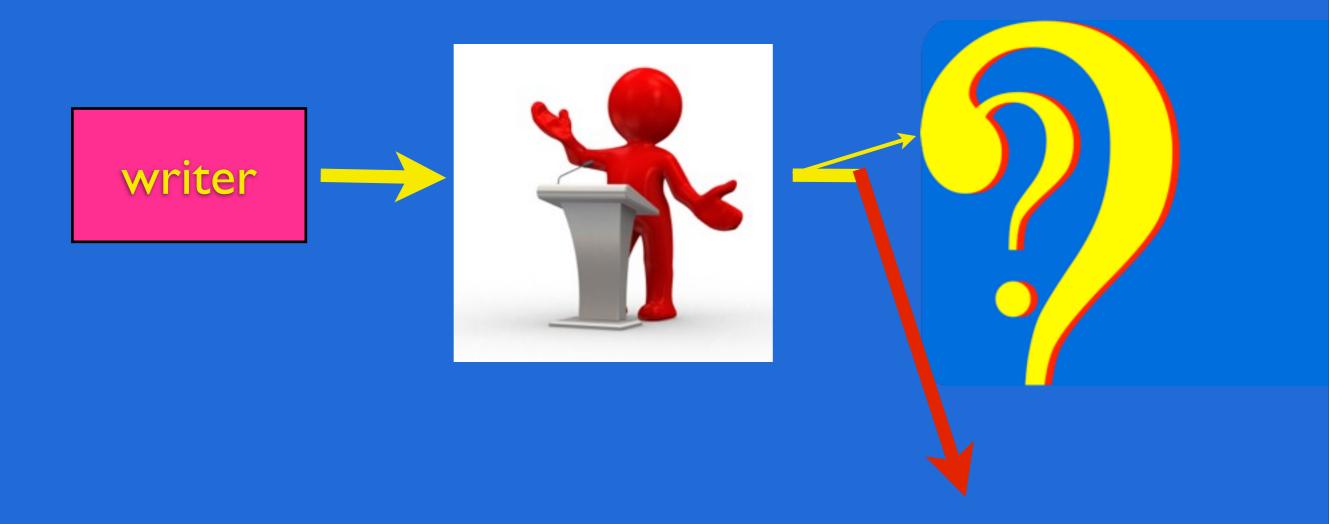
Introduction





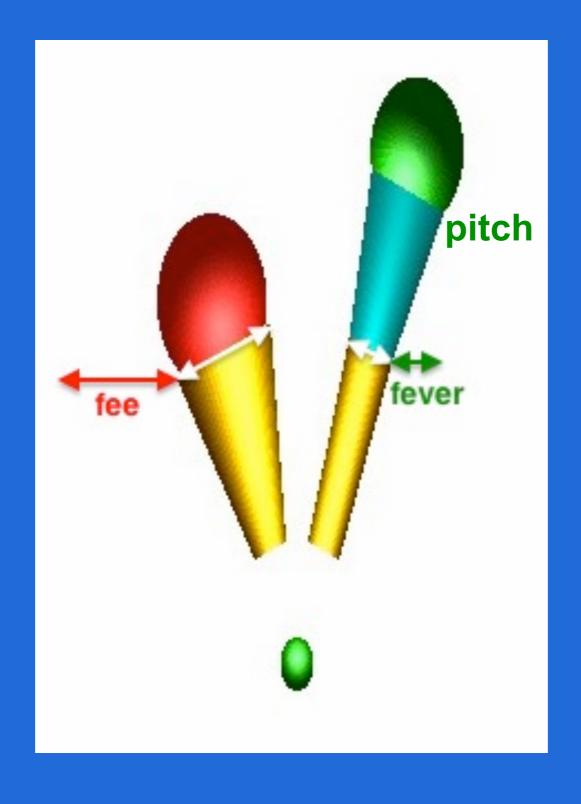
Introduction





Introduction







implementation

Implementation



Three Parts

dictionary

command line

visualization

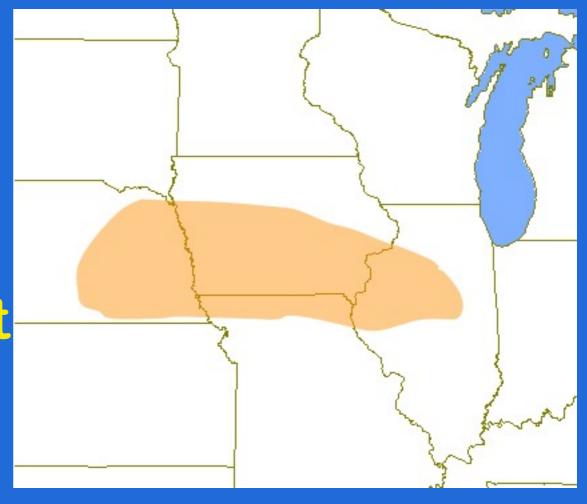
Implementation



Custom Phonetic Dictionary

UNISYN Lexicon

General American Accent



Implementation



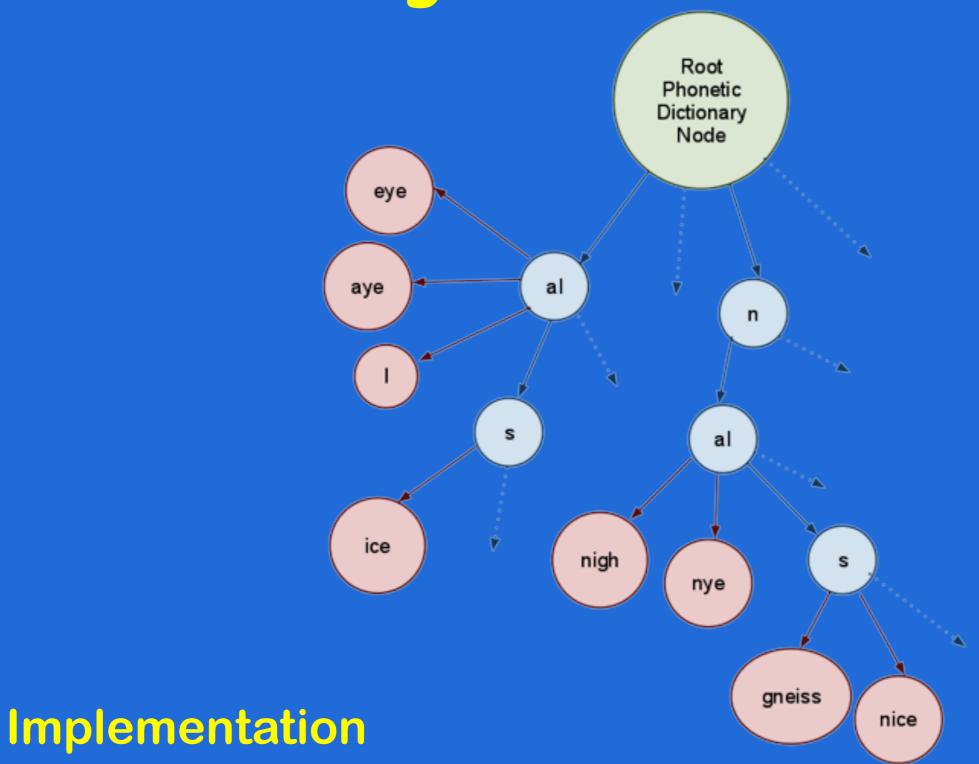
Dictionary Entry

```
Example:
```

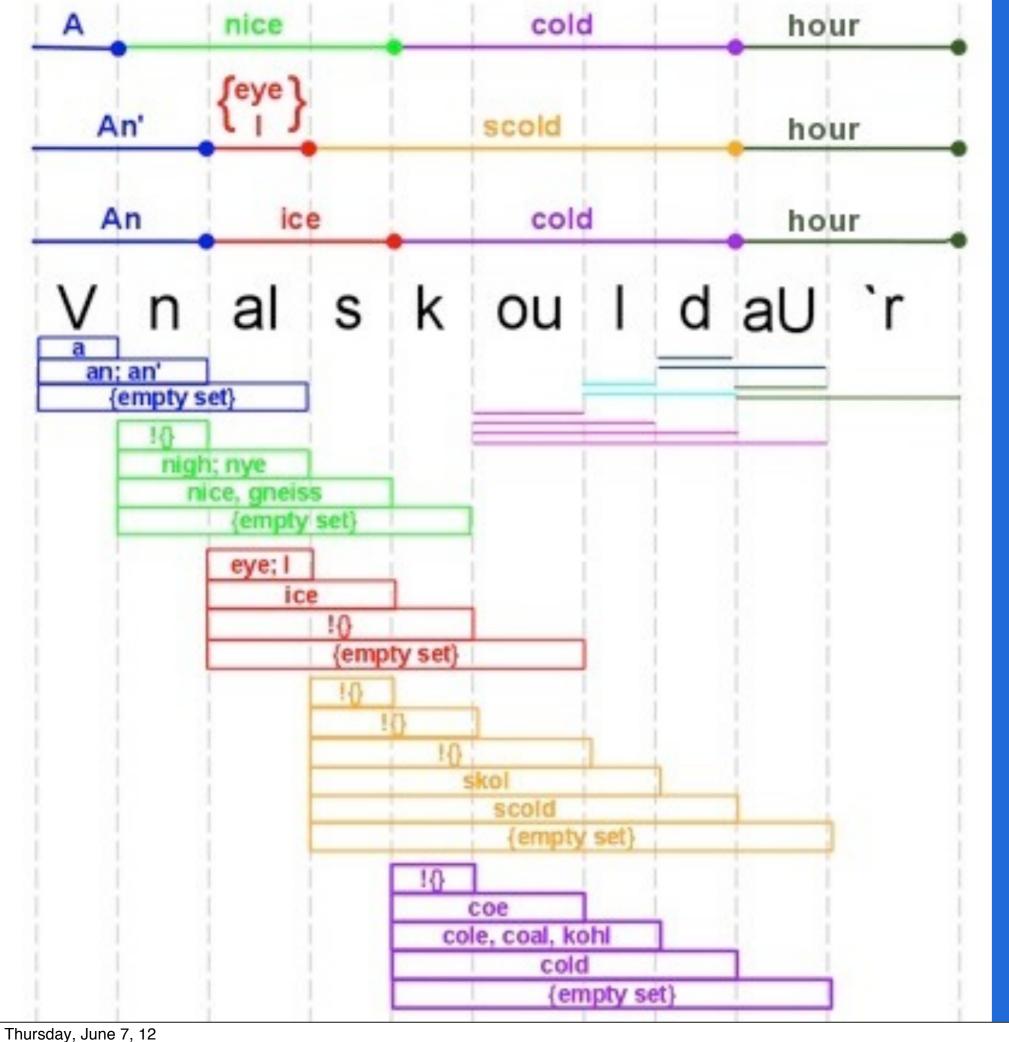
Implementation



Oronym Generation









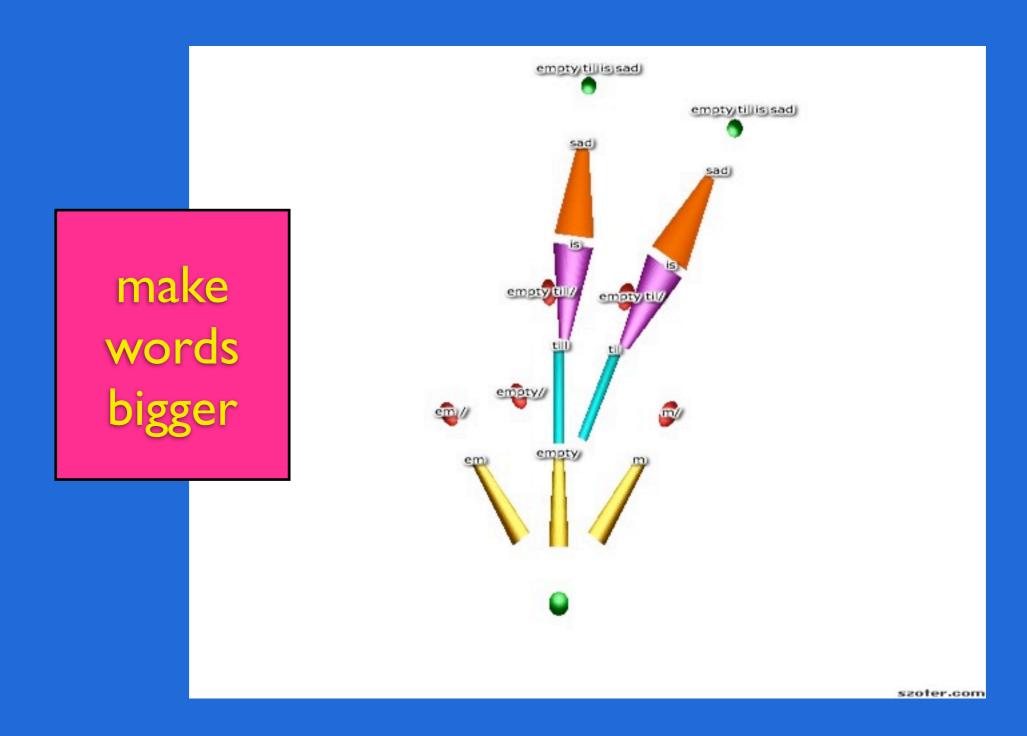
Visualization



Implementation



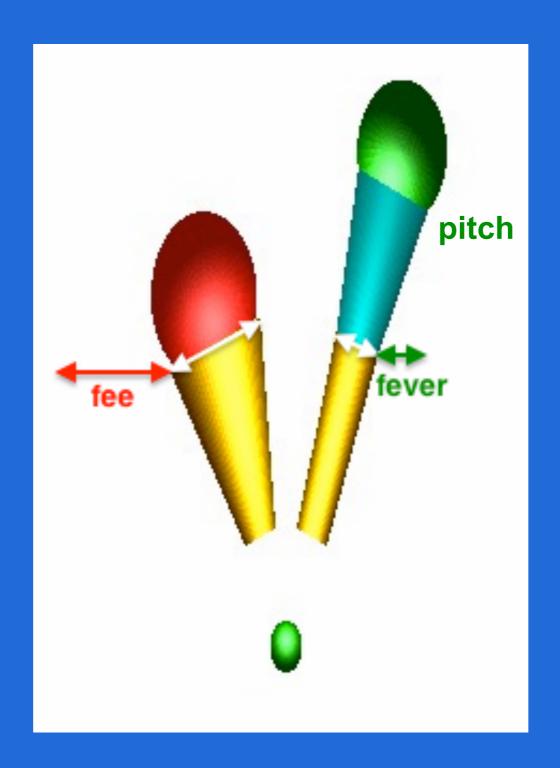
Visualization



Implementation



Frequency Scaling



Implementation



User Study

User Study



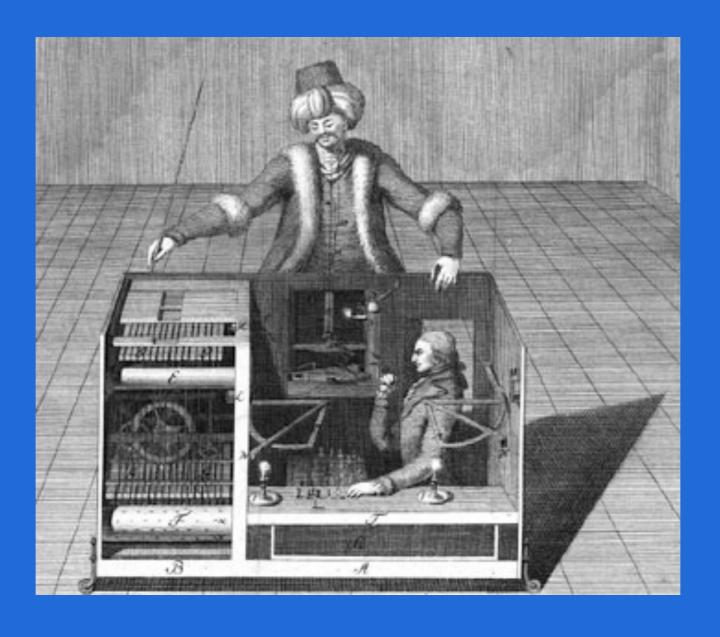
Methodolody

- two-phase study
 - get recordings of oronyms
 - get transcriptions of recordings
- compare transcriptions to expected distribution from frequency metric

User Study



Sample Population



User Study



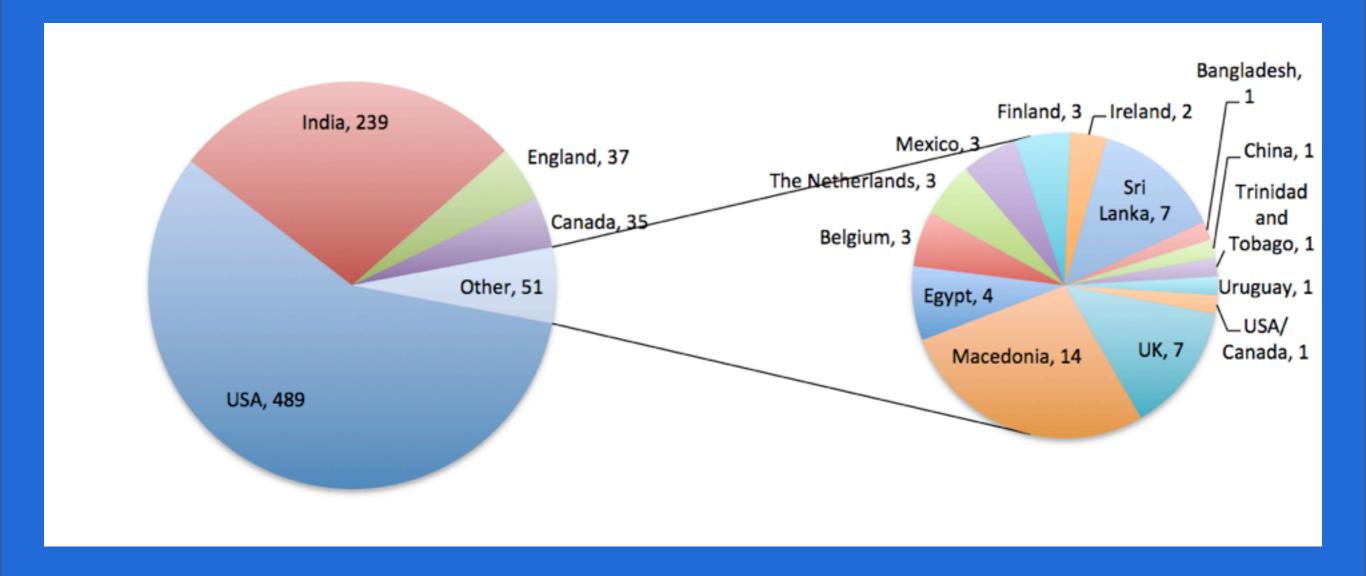
Sample Population



User Study



Responses per country



User Study



Phase 1

writer pen

64 written oronyms of two root phrases



12 Users

recording button

72 oronym recordings

User Study



Phase 2

recording button



listening ear & pen

15 oronym recordings

208 Users

851 oronym transcriptions

User Study



results





Results: Phase 1

recording button

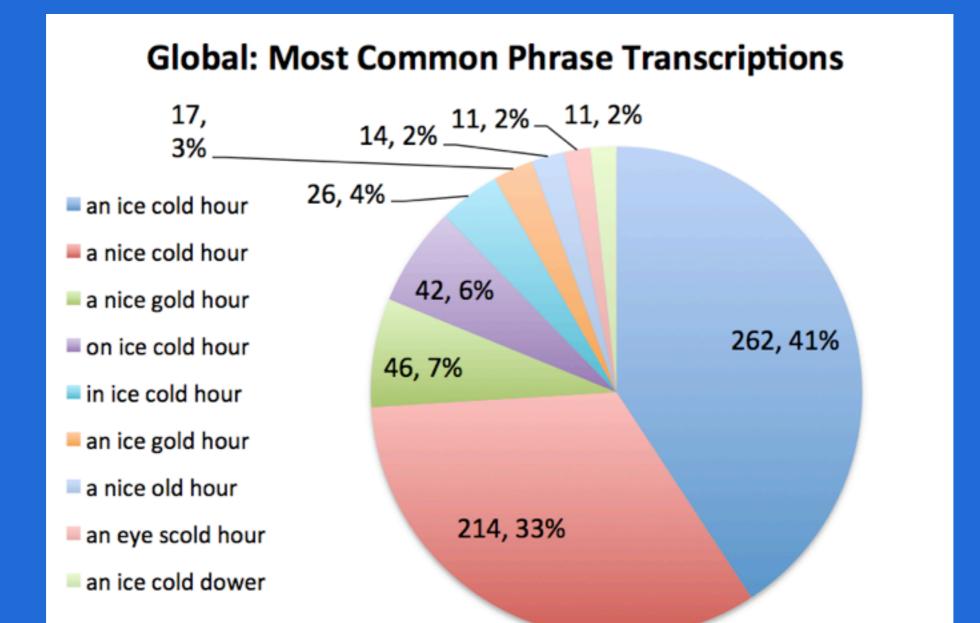
72 total oronym recordings



Results



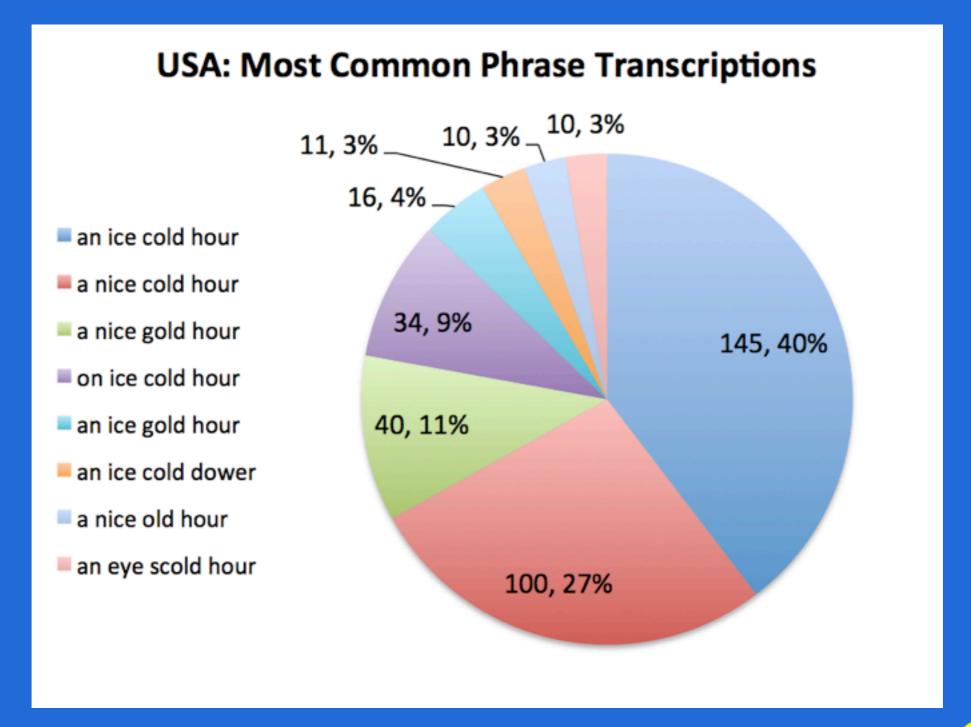
Results: Phase 2



Results



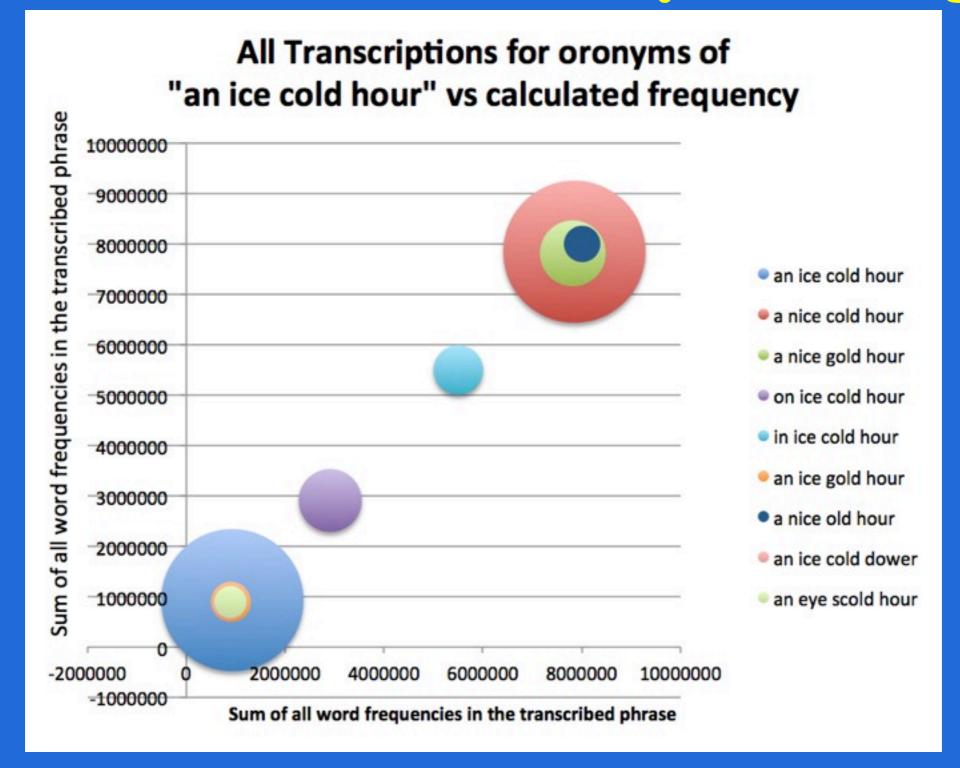
Results: Phase 2



Results



Results: Frequency







future work

future work



Fixing frequency

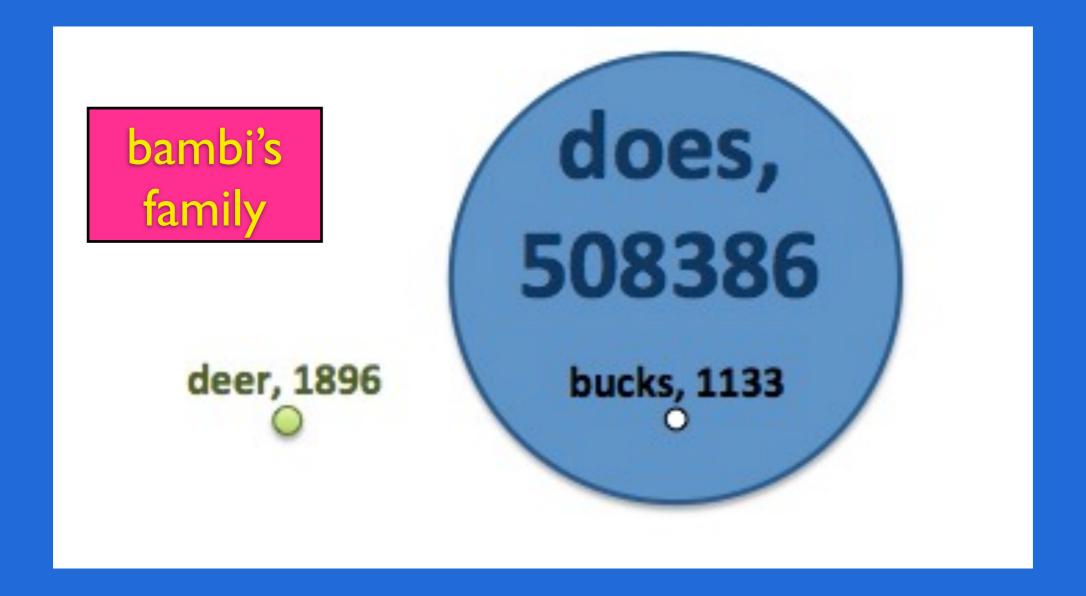
"Unfortunately there is currently no method for distinguishing between homographs by frequency."

-UNISYN Lexicon website

future work



Fixing frequency



future work



Fixing frequency

"...it should be noted that the frequency field ... is not particularly reliable"

-UNISYN Lexicon website

future work



Frequency anomalies



future work



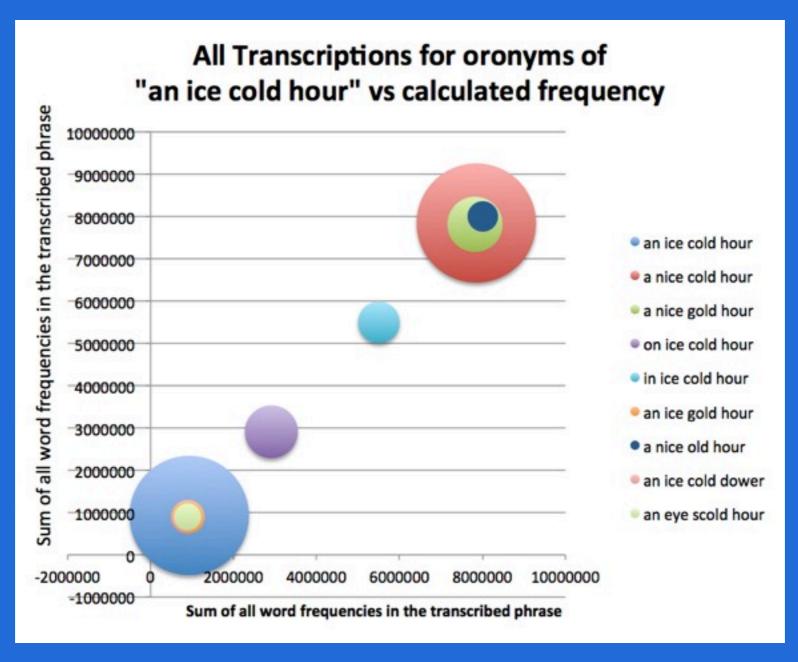
Frequency anomalies

	UNISYN	COCA occurances	COCA #texts
an	794,169	9,247,774	168,619
a	7,536,297	1,365,998	159,720

future work



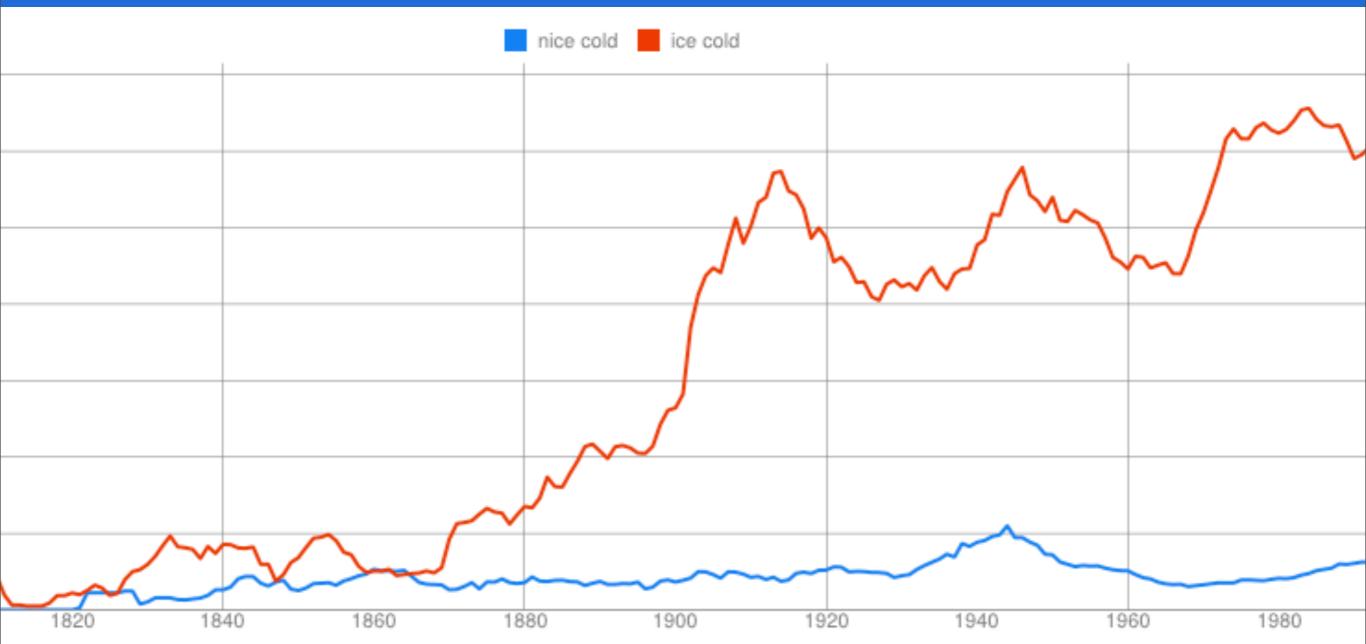
Fixing Frequency



future work



Ngrams



future work



conclusion

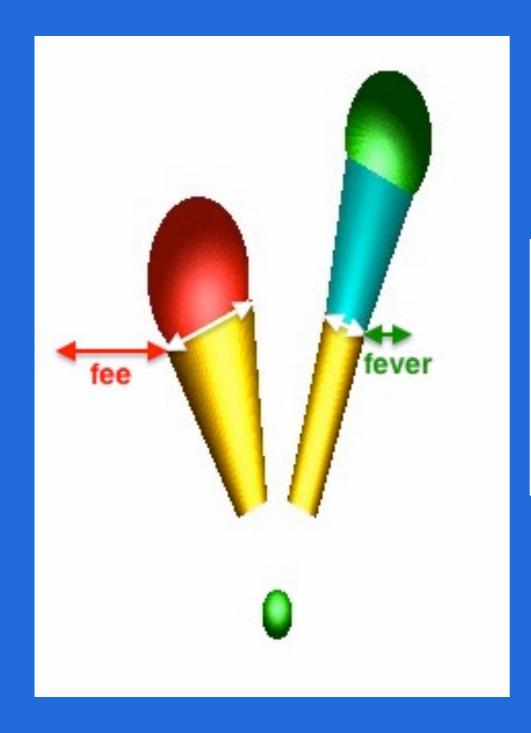


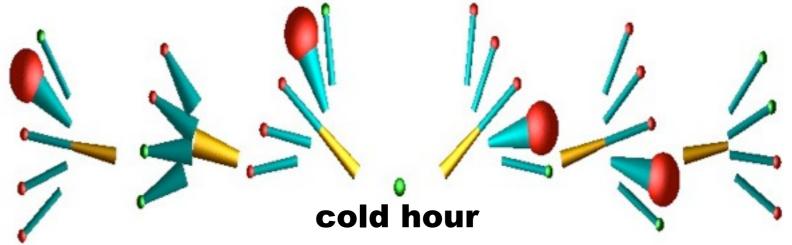


We have....



a Visualization







of Phonetic Ambiguity

```
ice cold
                      SUCCESS!
                 our
                        SUCCESS!
24:
         ice cole dour
                        SUCCESS!
25: ''n' ice cole dower
26: ''n' ice kohl dour — SUCCESS!
27: ''n' ice kohl dower SUCCESS!
28: ''n' ice-cold hour SUCCESS!
29:
   ''n' ice-cold our SUCCESS!
30: 'a gneiss coal dour SUCCESS!'
   'a gneiss coal dower SUCCESS!
31:
    'a gneiss cold hour ____SUCCESS!
32:
    'a gneiss cold our ___SUCCESS!
33:
    'a gneiss cole dour ___SUCCESS!
34:
35: 'a gneiss cole dower SUCCESS!
36: 'a gneiss kohl dour ___SUCCESS!
                        SUCCESS!
    'a gneiss kohl dower
37:
```





SUPER THANKS!

Long list of people to thank

text goes here



"ice cold"

als kould



"ice cold"

"ice cold"

als kould

"ay scold"

"ice-cold"

"aye scold"

"i scold"

"eye scold"



Business Model

- Ad-based
- Freemium mobile web app



Jenee Hughes
Tim Asp
Elliot Perkins
Ryan Swigler
James Pearson
Kelli de Vlught
Alexandra Danell

misheand meand



Competition

- A. Some of the well known games:
 - 1) Words with Friends
 - 2) Scrabble
 - 3) MadGab
- B. Game market across three platforms
 - 2011 iPhone-79,077
 - 2011 iPad-28,683
 - 2011 Android-46,045



Revenue

- 1) In-App purchases generate approx.- \$9-\$14 per user
- 2) Advertising costs to obtain new users-\$.75 to \$2.00
- 3)Freemium and IAP Models accounter for 48% of revenue

Business Model

- 1. Freemium model with web-based and iPhone app
- 2. Used as a proof of concept to larger ideas down the road
- 3. Free web-based app (played through browser on phones)

