LING 97r: Psycholinguistics of Scalar Implicature

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Logistics

Tuesdays 3-5(ish) PM

6 Meetings:

1: 2/3	Intro
2: 2/10	Presentation or Reading Response 1
3: 2/17	Presentation or Reading Response 2
4: 2/24	Presentation or Reading Response 3
5: 3/3	Presentation or Reading Response 4
6: 3/13	Outline of Final Paper

Policies

30% Attendance & Participation 40% Reading Response/Presentation 30% Final Paper

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30% Attendance & Participation40% Reading Response/Presentation30% Final Paper

- → Meet with me at least once to pass
- → Meet with me every week to make up lost points

Reading Response/Presentation

Presentation

- ~20 min
- Can be done in groups
- Thorough summary, interpretation

Response Paper

- 3-5pp
- No late submissions
- Criticism, interpretation, synthesis, expansion

Reading Response/Presentation

Presentation

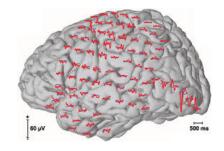
- ~20 min
- Can be done in groups
- Thorough summary, interpretation

Response Paper

- 3-5pp
- No late submissions
- Criticism, interpretation, synthesis, expansion

If you miss an assignment, you can write a make-up reading response (6-8pp)

Materials



A tiny but representative smattering of experimental papers in psycholinguistics:

- Relationship between theory and evidence
- Methods (truth value judgement, reaction time, eye-tracking, ERP)
- Experimental research



0.8 - Some -Q-Three -X-All

0.9 - Some -Q-Three -X-All

0.

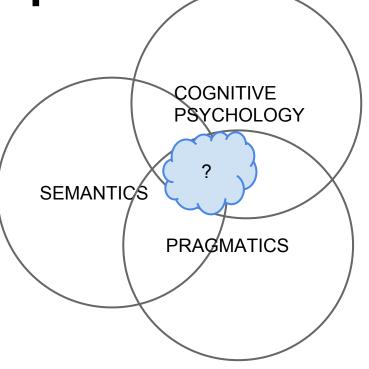
Y.T. Huang, I. Snedeker/Cognitive Psychology 58 (2009) 376-415

- a) What is scalar implicature?
- b) When does it happen? (Modular vs. incremental)
- c) How does it happen? (Automatic vs. deliberate/optional)
- d) How widespread is it? (Numerals?)
- e) When in development does it appear?
- f) How social is it? (Theory of mind?)

Why Study Scalar Implicature?

It is...

- well-defined
- [research is] well-developed
- completely mysterious
- at many interfaces
 - semantics
 - social reasoning
 - conceptual structure



Why Experimental Methods?

a) The questions require it:

- When do implicatures happen? (ms scale)
- How do they happen? (Memory, modularity)

b) Linguistics is changing

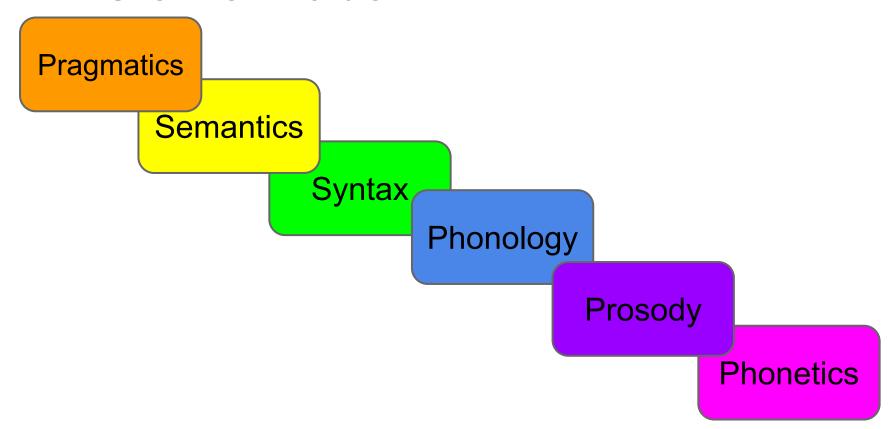
- Ancestors: Philosophy, philology, theoretical computer science
- Influences: Social sciences (psychology, sociology), physical sciences (acoustics), applied math & CS (corpus research)

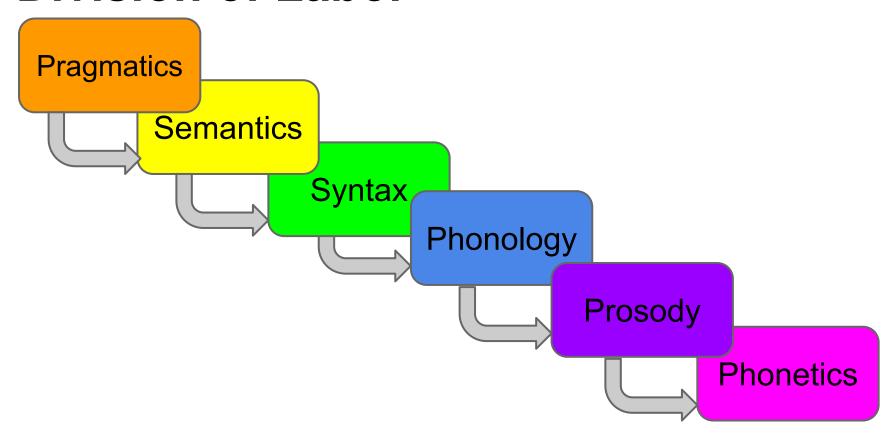


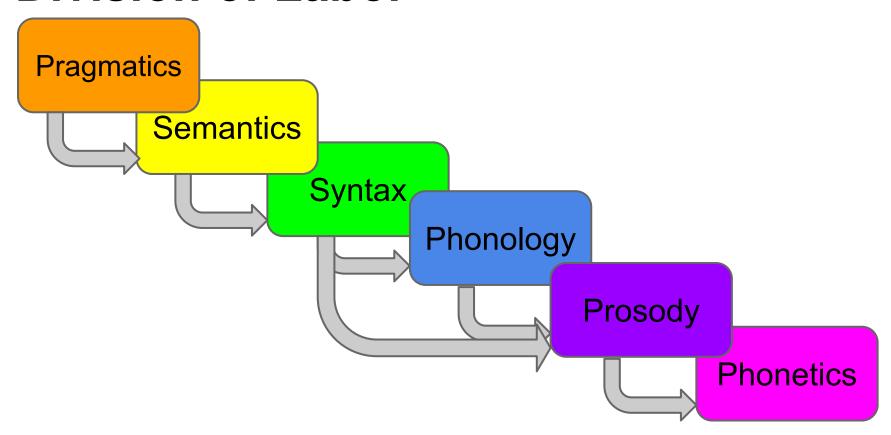
Intermission

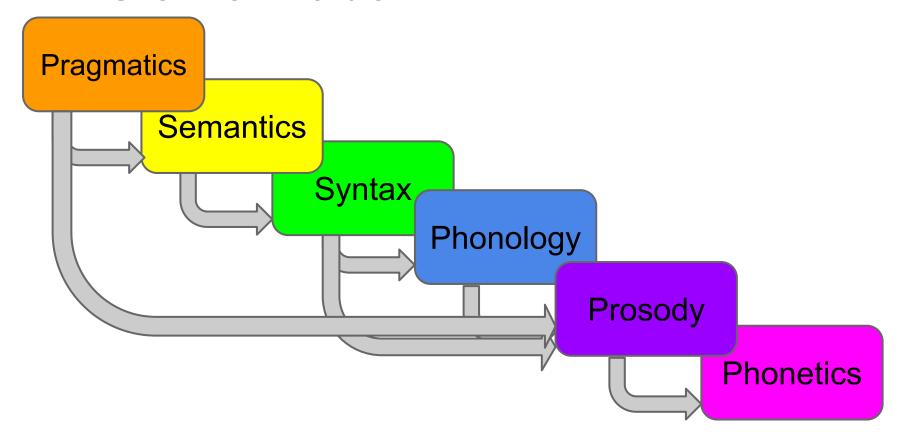
5 minutes:

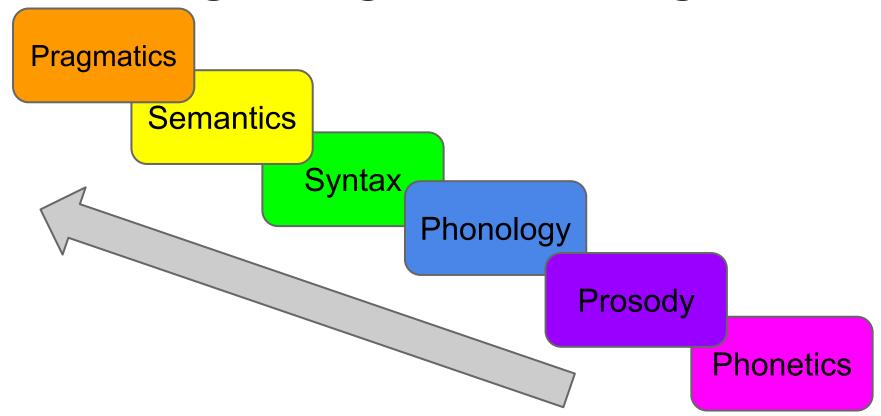
- 1. Name
- 2. Year in school
- 3. What interests you most about language?
- 4. What, if any, semantics/pragmatics or psycholinguistics/cognitive psychology courses have you taken?
- 5. Least favorite fictional character & why

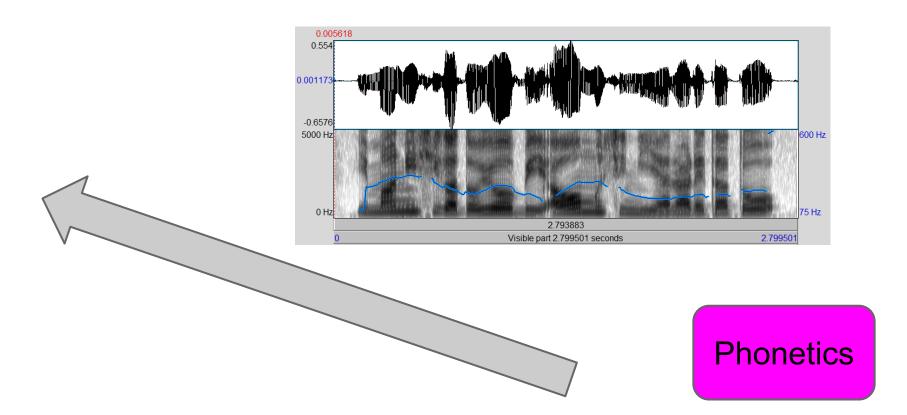


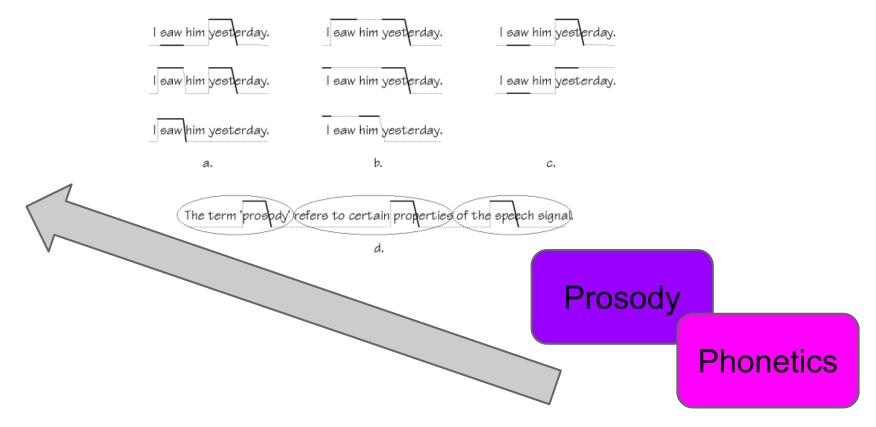


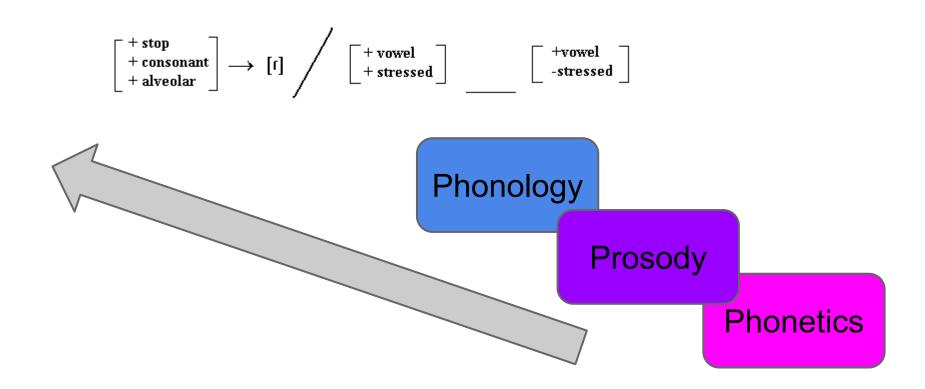


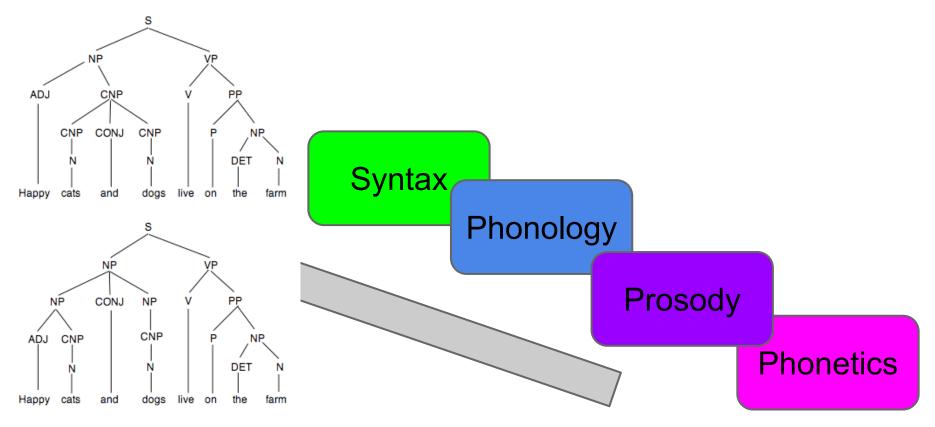


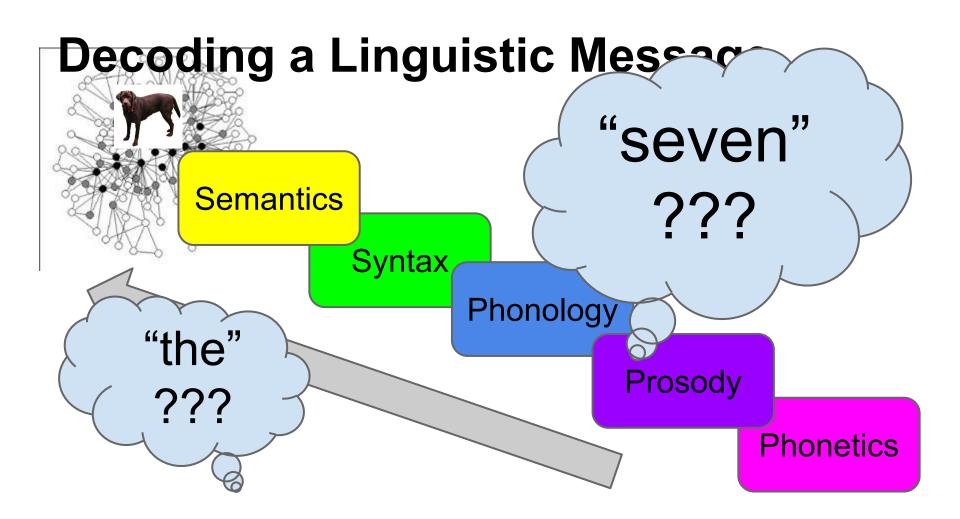












Pragmatics



Brrr.... It's cold in here...



Entailment

- Logical consequence
- Not optional
- Not cancellable

vs. Implicature

- Optional
- Cancellable
- Not part of literal meaning

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```
"I ate pepperoni pizza."
---->
I ate pizza.
```

"John had salad and Bill had soup."

____>

John had salad.

Entailment

- Logical consequence
- Not optional
- Not cancellable

vs. Implicature

- Optional
- Cancellable
- Not part of literal meaning

"I did some of the homework."

---->

I didn't do all of the homework.

"Sally's haircut is... interesting."

____>

Sally's haircut is bad.

Entailment

- Logical consequence
- Not optional
- Not cancellable

vs. Implicature

- Optional
- Cancellable
- Not part of literal meaning

"I did some of the homework."

---->

...but we don't know if I did it all.

"Sally's haircut is... interesting."

____>

Her haircut could be good or bad.

Entailment

- Logical consequence
- Not optional
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vs. Implicature

- Optional
- Cancellable
- Not part of literal meaning

"I did some of the homework."
----> I didn't do all of it

"...in fact, I did it all."

"Sally's haircut is... interesting."

----> Her haircut is bad

"...in fact, I kinda like it!"

Special Case: Scales

"I did some of the homework."

----> I didn't do **all** of the homework

Special Case: Scales

"I did some of the homework."

NONE, VERY LITTLE, A LITTLE, **SOME**, A BUNCH, MOST, ALMOST ALL, ALL

- ----> I didn't do a bunch of the homework
- ----> I didn't do **most** of the homework
- ----> I didn't do **almost all** of the homework
- ----> I didn't do **all** of the homework

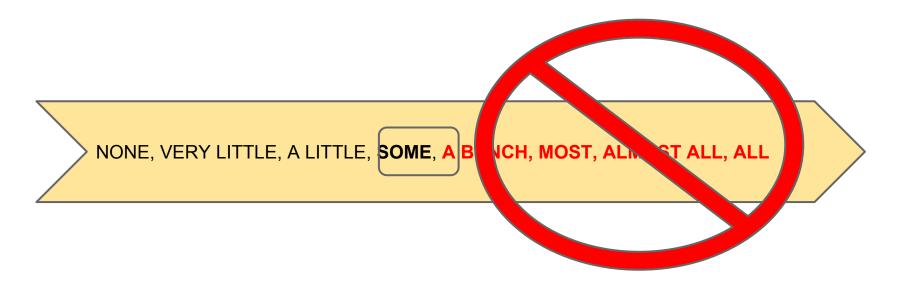
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NONE, VERY LITTLE, A LITTLE, SOME, A BUNCH, MOST, ALMOST ALL, ALL

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Scalar Implicature



Scalar Implicature: Examples

- "It's warm today." → It's not hot.
- "I'm taking three classes." → I'm not taking four.
- "I think the homework is due Friday." → I'm not sure.
- ...
- ...
- ...
- ...
- ...
- ...



Scalar Implicature: Examples

- "It's warm today." → It's not hot.
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EXERCISE:

- Come up with some examples of
- scales, and some scalar
- implicatures that seem to be
- computed based on them.

More (exclusively theoretical) background on scalar implicatures

READING*: Horn (2006) "Implicature"

- → Presentation (Outline, main concepts/distinctions, theoretical disagreements, history)
- → Reading response: In light of new concepts, distinctions, and theoretical frameworks proposed, analyze three *real* interactions you had during the week using some of the new tools you acquire after doing the reading

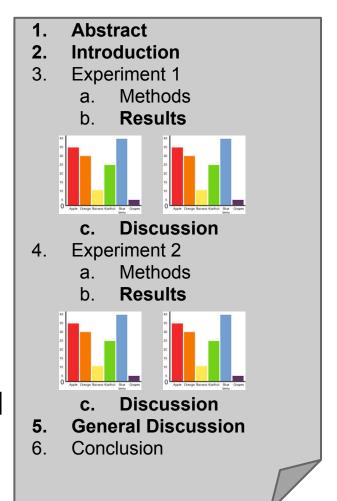


See you next week...

Email me if you need help!

Reading Tips

- Skim overly detailed methods sections
- Skim statistics
- Try to understand graphs & be able to extract primary phenomenon and what it means (if anything) for the theory
- Follow up on theoretical background if you don't quite grasp the (importance of) the question



Intermission

5 minutes:

- 1. Name
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- 5.

More (exclusively theoretical) background on scalar implicatures

READING: Horn (2006) "Implicature"

→ Presentations & Response Papers?

Experimental evidence for postsemantic computation of scalar implicatures (or not?*)

READING: Bott & Noveck (2001) "Some utterances are

underinformative: The onset and timecourse of scalar inferences"

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*skepticism

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