# Psych 56L/ Ling 51: Acquisition of Language

Lecture 10 Lexical Development II

### Announcements

Review questions for lexical development available

Homework 2 assigned today 11/5/08, due 11/12/08 in class

Please pick up midterm and homework 1 if you haven't already



### Speech isn't neatly divided

Word segmentation: process of dividing a stream of speech into the units that adults attach meaning to - words

lukðeizəgablin = luk ðeiz ə gablin



Looktheresagoblin! = Look! There's a goblin!

# Word segmentation is hard Examples of real errors that children make: Father: Who wants <u>some mango</u> for dessert? som mengo Child: What's a <u>semmango</u>? sommengo



### Word segmentation is hard

Examples of real errors that children make: Attempting Bob Dylan lyrics

A

"the answer, my friend, is blowin' in the wind." ænsei maj fiend iz "<u>the ants are my friends</u>, <u>they're</u> blowin' in the wind." æns ai maj fiendz ðei

### Some clues children use to solve it

Words recur in the sound stream - children can pick up on the regularities in the sound sequences

From Pirate's Treasure, written by Carol Moore

"Ten steps from the porch and twenty steps from the rose bushes," growled Bluebeard in Jimmy's dream one night. "There be treasure there! Aawrgh."































### Knowing what to guess

### Clues from the input

Speakers generally talk to children about the here and now (Quine's problem is not nearly so serious in child-directed speech) "Look at the *siamese*!"



(Not "I just took her to the vet yesterday. Poor thing's been sick all of last week.")

### Knowing what to guess

### Clues from the input

Speakers also sometimes provide explicit correction for meaning, and provide additional information about the word's meaning.

"Can I see the bugs again?"



"Those are goblins, honey, not bugs. Goblins live in the Labyrinth and occasionally take naughty children away."



## Knowing what to guess

Clues from the syntactic structure

Experimental evidence with 4 yr olds (Gelman & Markman 1985)



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Clues from the syntactic structure

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the\_\_ one = adjective adjective = property (like spotted) fep =~ spotted

### Knowing what to guess

Clues from the syntactic structure

Experimental evidence with 4 yr olds (Gelman & Markman 1985)





# Knowing what to guess Clues from the syntactic structure Experimental evidence with 4 yr olds (Gelman & Markman 1985) Image: Comparison of the syntaxic structure I





















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