













Psych 9B - PSB 11B

Language



















Comparing Language in Humans and other Animals

- Is there some obvious difference between the brains of humans and other animals that might help us understand language processing?
- A human adult is about 20% larger than a chimpanzee, but has a brain 4 times larger
 Whales and elephants have brains larger than ours
- Although smaller, the brains of chimpanzees are similar in shape and structure to ours.

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Comparing Language in Humans and other Animals Can other animals learn language? Simple associations of symbols and objects/actions in the world

- □ Ability to understand and produce even creatively simple combinations of symbols
- Ability to understand and process abstract concepts (not necessarily a part of language)
- Ability to understand and produce complex symbol combinations

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Ability to infer structure

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Summary Language	r: e in Other Animals	
 Animals have communication but not language in its most general sense No one has yet identified the differences between the brains of humans and other animals that have allowed humans uniquely to develop language The lack of a clear-cut structural difference supports the hypothesis that language is not a result of a few, localized brain areas specialized for language. 		
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