Lecture 10 Language

> Ladle Rat Rotten Hut - sounds similar to a familar Story, but looks nothing like it. Understandable when spoken out lond! ... Wants pawn term, done wrensted * Language has redundancies! And our brain do a lot to make sense of speech.

Resolving Ambiguity

* Many types of ambiguity

- Lexical same word different meanings > river bank vs. Commonwealth bank
- Structural
 - > they were (playing cards) us they were (playing) cards
- Acoustic
 - top is pot
 - > accepts
- * Context and disambiguation
 - increases activation of * Prining - exposure of concept Fish River - Bank ATM related concepts i.e. top-down expectation approach reasonable activations Water Frog Money
- Language illusions (parsing failure)

 → "Many gave the child the dog bid a bandaid"

 → "The horse raced past the barn fell"

#2	Language in Social Interaction
	* Prognatics — implied meaning
	* Gricean implicature - sentence meaning + speaker meaning * Conversational implicature - listeners construct speaker meaning from literal meaning
	* Conversational mylicature - listeners construct speaker
	meaning from literal meaning
	* Cooperative principle - people generally contribute to the
	* Gricean maxims - speakers generally follow these principles
	* Quality - tell the truth
	* Quality — tell the truth * Quarrily — give no more and no less into them necessary * Relation — say things relevant on the conversation * Manner — speak as clearly & mambiguously as possible
	relation - say sumes relevant to the conversation
	* Manner - speak as clearly a mambiguously as possible
	* Ways to use biricean maxims (from 80-180)
	- Violating - vilate a maxim (tends to break conversation)
	- Floating - use a maxim for indirect communication.
4 2	
# >	How children learn words
	X To down [* Transitional probability -
	X Top-down Statistical pattern recognition! - P(a norpheme previous norpheme
	> Management positions of
	> Nonsense word pattern experiment -> constant stream of
	nonsence with pattern A, kids get bored, change order of
	syllables, they snap back to attention. > Motherese - parents use inflections differently when talking
	Motherese - parents use inflettions differently when talking
	to kids.

#4 Neural correlates with language

In brain:

- Broca's Area for grammar
 - -> Broca's aphasia people speak with meaning but not grammar
- Wernicke's Area for meaning
 - → Wernicke's appasia people speak nonsense but with good grammar

#5 Whorfiam Hypothesis

Is cognition constrained by language?

-> Authoritaireau governments control people by removing the word "freedom"?