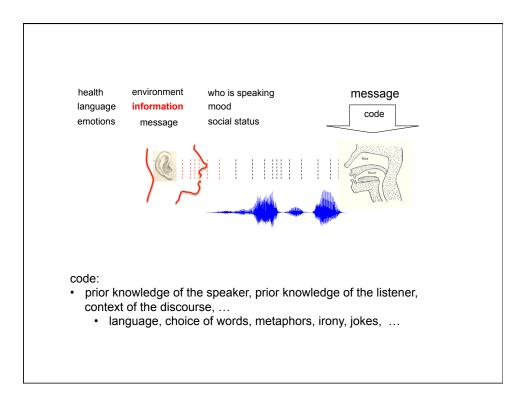
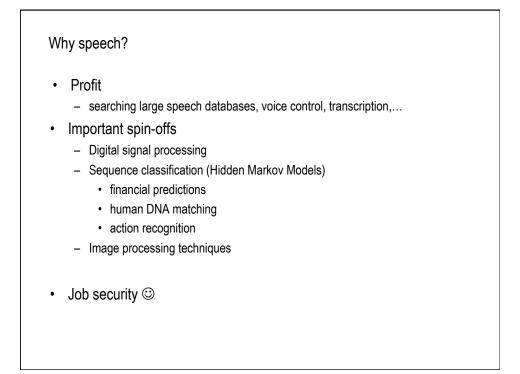
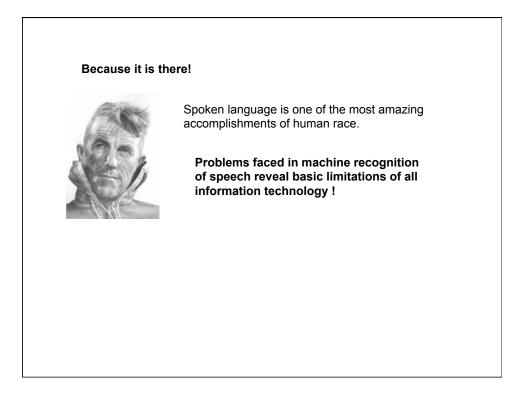
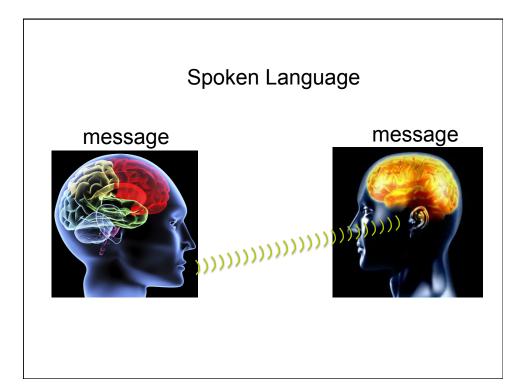


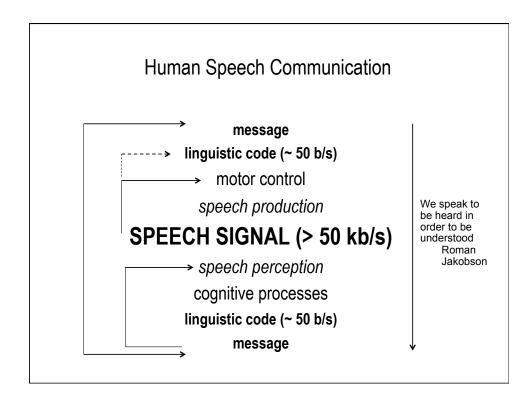
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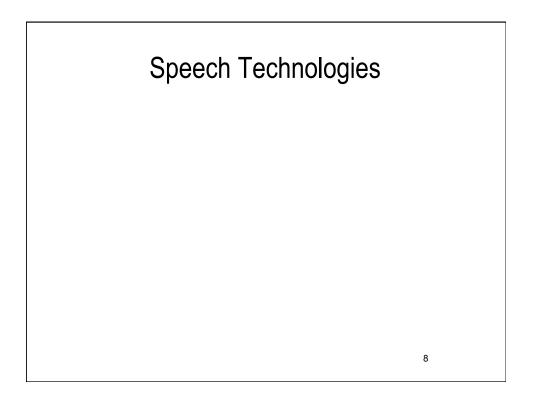


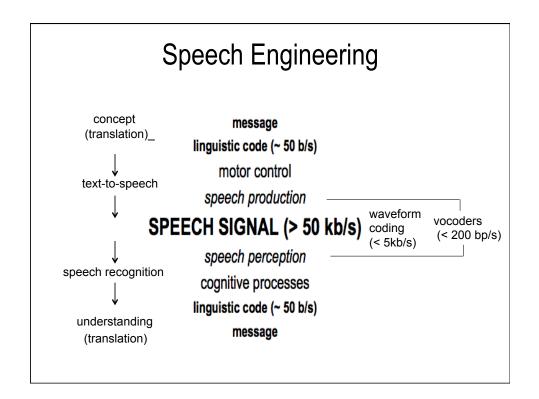


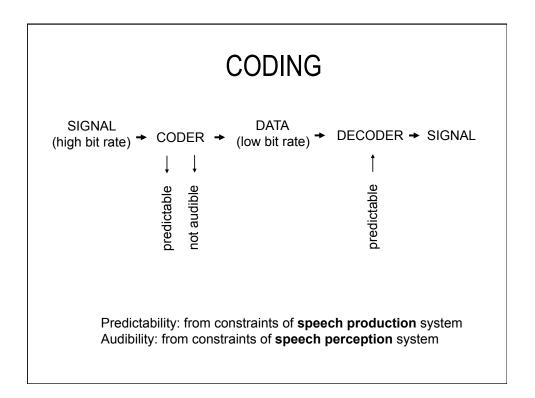


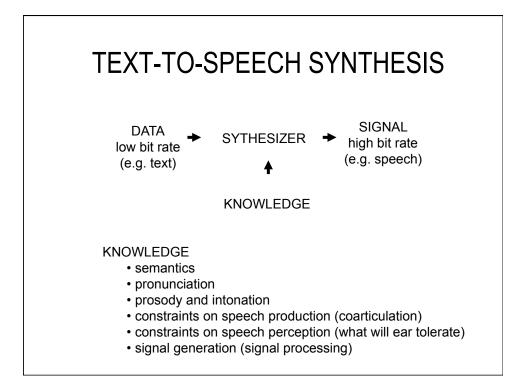


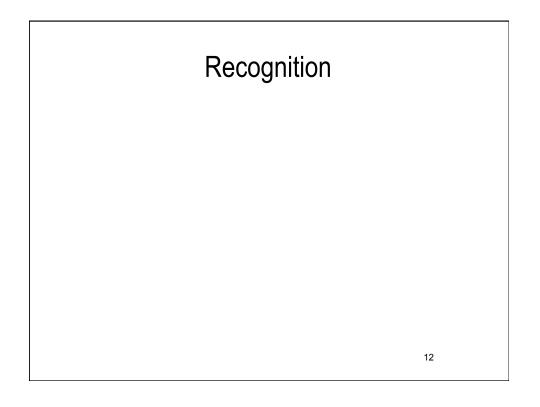




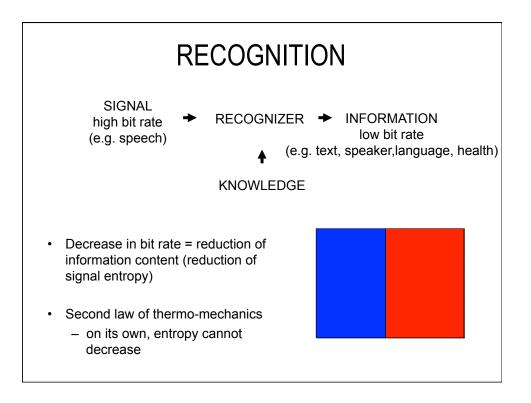


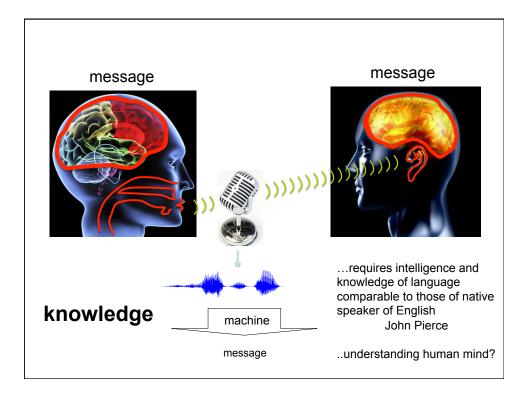


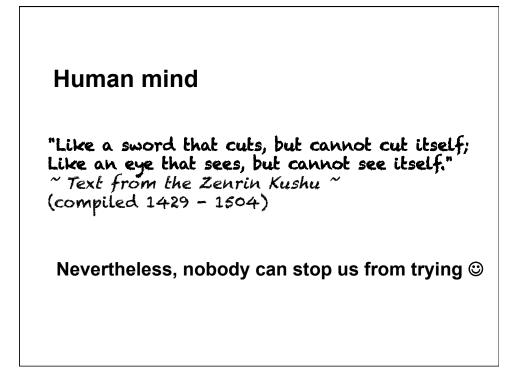


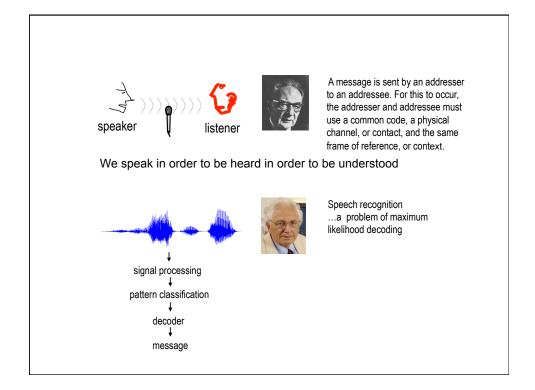


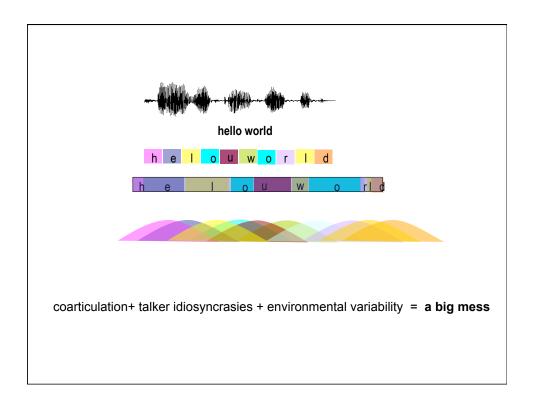
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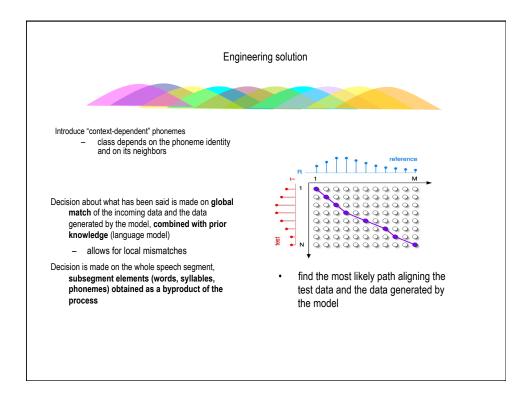


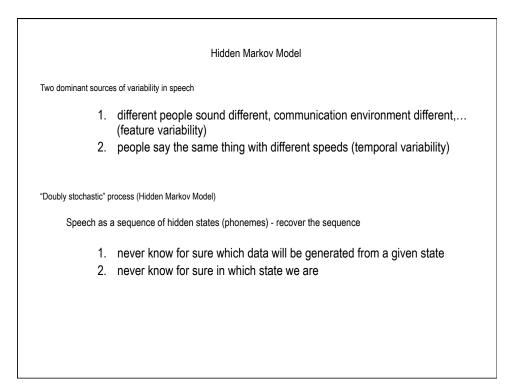


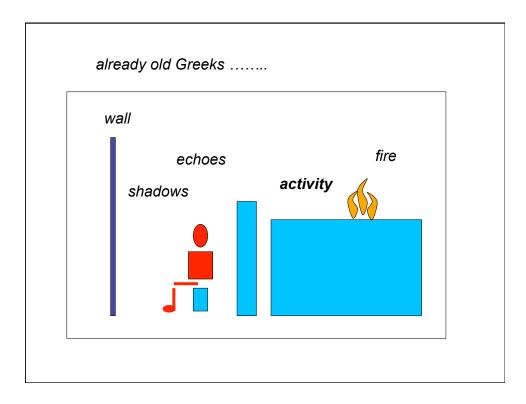


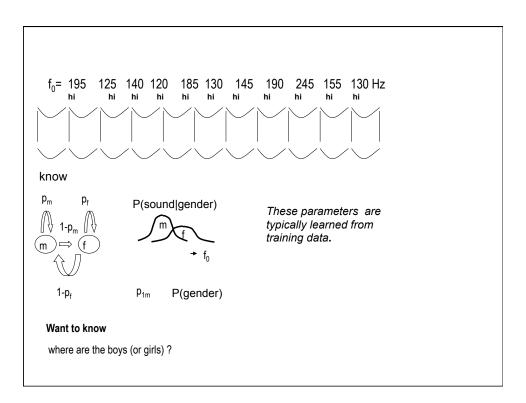




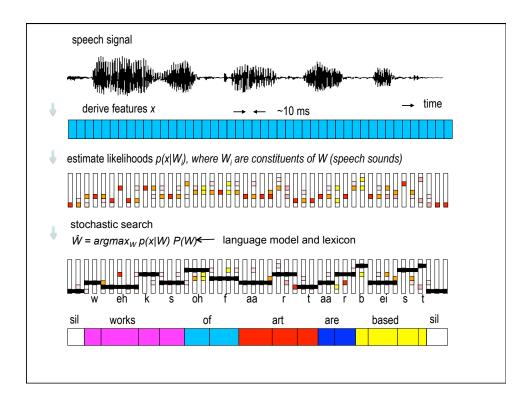


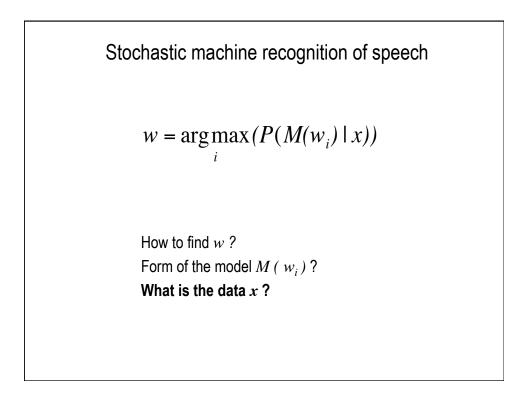






Training of the model   f <sub>0</sub> =140 120 190 125 155 130 145 160 245 165 135 150Hz   hi	
boys girls boys girls boys	for equally distributes states, compute distributions of parameters for each state
	find the best alignment of states given the parameters
	compute distributions of parameters for each state
	find the best alignment of states given the parameters





## How to find w?

 $w \propto \arg \max(p(x \mid M(w_i)P(M(w_i)^{\gamma})))$ 

## Form of the model ?

 $M(w_i)$  – model of the whole utterance

**Good:** parts of the utterance can be corrupted and the utterance can still be correctly recognized

**Bad:** low prior probability items in the utterance may be substituted by wrong ones

**Ugly:** words that are not in the vocabulary will **never** be recognized

