









Disc	ussio	on Se	ections	
Dis 1	68051 54051	SSTR 103	M 12:00 – 12:50	Daniel Stehr
Dis 2	68052 54052	ET 202	M 2:00 -2:50	Daniel Stehr
Dis 3	68053 54053	SST 120	M 5:00-5:50	Laris Rodriquez
Dis 4	68054 54054	SST 120	M 6:00-6:50	Laris Rodriquez
Dis 5	68055 54055	SE2 1304	Tu 8:00-8:50	Kier Groulx
Dis 6	68056 54056	SST 220A	Tu 12:00-12:50	Kier Groulx
Dis 7	68057 54057	SSL 228	Tu 5:00-5:50	Veronica Chu
Dis 8	68058 54058	SL 228	Tu 6:00-6:50	Veronica Chu
Learning 3		P	sych 9B PSB 11B	









in the Artic http://globalrecordings.net/en/language/321

Learning 3

Psych 9B -- PSB 11B













Measuring Statistical Regularities: Transitional Probability

TrProb(AB) = Prob(B | A)

Learning 3

Transitional probability of sequence AB is the conditional probability of B, given that A has been encountered.

TrProb("gob" "lin") = Prob("lin" | "gob")

Read this as "the probability of 'lin', given that 'gob' has just been encountered"

Psych 9B -- PSB 11B







Can Infants Detect Statistical Regularities to Locate Words?

- Almost seems like a foolish question
- Insight: Contingency, which determines the strength of CS-US associations are like TrProbs!
- Research Strategy
 - □ Familiarize 8-month old infants to speech sequences containing transitions with different TrProbs
 - Use habituation to assess what they have learned

Psych 9B -- PSB 11B











Present Infants listened longer to the less familiar items: i.e., the part-words 6.77 seconds for real words 7.60 seconds for part-words Infants noticed the difference between real words and part-words from hearing the artificial language for only 2 minutes! They are sensitive to the TrProbs – transitional probabilities











