Lec 14

* In linguistics : - Data may not entail hypothesis - We want hypothesis to entail clata # Baye's Theorem $P(S|T)P(T) = P(S \cap T) = P(T|S)P(S)$ We care about : hid doesn't really make sence These can be independently verified PChypothesis I data) = P(hid) = P(dih)P(h) P(d) (P(h) = P(h 1d) P(d) - Alows our assignment P(d 1h) of data probability in [0,1] Also, P(d) * Pedagogic reasoning = toy for kids experiment we instructions

teacher instruction ~ quicker conclusion
interrupted instruction ~ dower, play around to figure out
PL (hId) or PT (dIh) PL(h) + teacher close dota delberately
PT (dIh) or PL (dIh) + play around
PL (hId) or P(dIh) PL(h) + believing dota is randomly compled
* Confidence that hypothesis can come from data correlates to faster conclusion?
Maybe also applies to Reader - Writer relationship ?