Mod 2 - CO2 - 2024-07-22

-> N-Gran LM: (Context Sensitive Spelling Correction) -> the office is about lifteen minuels from my minutes = minuets 1700-1800 house. -> p (fifteen ninutes) > p(fifteen minuets) -> Sentence Plansibility: -s tanna -s jete -s p (high winds) > P (large winds) -> Probabilistic Lay Models; P(W) = P(W1, W2, W. ... W) ~ 200 ~ Reluted P(W1 /W1, V2, W3) -> Joint Probability: P (about, fifteen, minutes, from)

> Basic: Rely on the dain whe of policity. -s Conditional 200: P(BIA) = P(A, B)
P(A) Where P(A,D) = P(A) · P(BIA)
-> Generalized Rule: p (12, 12,) = p(12,). p (22/21). p(23/21) --- $p(x_n)x_1 \cdots x_{n-1}$ $P(\omega_1,\omega_2,\ldots\omega_n) = \prod_i P(\omega_i | \omega_1,\omega_2,\ldots,\omega_{i-1})$ -> ? (what fifteen minutes from) = P(about) p(fifteen about) x · · · · -> Markon Assumption: Ploffice | about fifteen min from) ~ P (office | from) -> Markor Assumption! Only & previous works (Ichales) $P(w_i|w_i-w_i) \approx \prod_i P(w_i|w_{i-k}-w_{i-1})$

-> Maximum Likelihood Expectation: $P(v_i | v_{i-1}) = \frac{count(w_{i-1}, w_i)}{count(w_{i-1})}$ $= \frac{2(v_i | v_{i-1})}{c(v_{i-1})}$