

classmate 20181 CSE 0621 Sair Q2b Hidden Markov model: Markov model in which the system being modeled is assumed to be a markov process with unobserved or hidden states. Notation: $\lambda = (A, B, TT)$ (1)N: Number of States (11) : Number of observable states : Number of symbols observable in states (11)(111) : State transition probability distribution A: Laint 12i, jen (IV)3 Observation symbol prob. distribution
B= {b; (VK)} 1 \(i \) \(N \), \(i \) \(M \). (V) II. Gritial state distribution T:= p(9, =i) 12i<N They are known for applications in reinforcement learning, temporal pattern recognition such as speech, hardiviting gesture recognition parts of speech tagging musical since following partial discharges of the broinformatics. Also for solving probability of given sequence, decoding of tearning.