ML # Assignment - 1 oso find:-P(sunny/a conegice-cream) =? P(rainy) a cop of hot coffee) =? (jiven othe ocumence of each wood is Independent " P (a cone of ice cream) = Pa) Rone) Paj P(ice) Peran) Part (a) P (sunny/a cone of ice cream) Using Bayes theorem: P(A/B)= P(B/A) - P(A) P formy/a cone of 9ce-cream) = P(sunny) :- Also since the words are independenting : Also since we want to classify the tags with higher probability, so ighoring the deveninator: P(a/sunny). P (one/sunny), P(of/sunny). P(Oce sunny). P(cream sunny). P (cunny)

