Gravssian discriminal analysis Naive Bayes



Generative Leaning algorithms

=> So fan we've mainly been talking obout leaning algorithms that models

P(y|x;0)

La Such algorithmes are colled disconnentise leaning algorithm.

Here we'll talk about algorithms that
instead togg to model P(X14) (and P(y))

These algorithms are adjustituded

generative rearring algorithms.

After modeling P(y) (colled the class positions)
and P(x/y), our algorithm can then use
Bayes onle to derive the posterior
distribution on y given a

P(y121) - P(2(16)P(6)

> P(x (5) P(5)

angmax P(y|x) = angmax P(x|y)P(y)

= angmax P(x 14) P(4)