STATISTICAL MACHINE LEAR'NING 24/08/2022 · go through self evaluation test. · go review the topics from canvas · Slack workplace - make sure I am added can be included in masters portfolio. Todo-A project to recognize hand written digits · Hand Written Digits -10 × 2 + 6 × 3 20 + 9 = 11/20 joint P(x=x; , Y= y) = 0 is/ + (x xi) = Ci, marginal P (Y=y; X-21) = C,

conditional

Sum Rule-

$$P(X) = \sum_{Y} P(X_i Y)$$

$$P(x=x_i) = C_i = \sum_{N=j} n_{ij} = \sum_{j=y_i} P(x=x_i)$$

$$p(x,y) = p(x|y) \cdot p(y)$$

$$nis/N = nis/c; x ci/N$$

Bayes Theorem (Must)

Product Rule-