Peritation.
□ Probability.
· Vocab A= true. } event.
· Vocab A= true } event. (variable value. specifical).
(bust)P(A)=P(A=trae).
$P(\overline{A}) = P(\neg A) = P(A = false).$
TRPES. O Marginal: incomplete set event
Y(A)
Dualit prob: completely specified set of event.
K (A.B) see all vari = KUSA)
3) Conditional prob of event
(3) Conditional prob of event info. prob: prob of event info. prob = P(A. B) P(B).
P(A·R)=P(A1B)·P(A).
Exhaustion. c'span all unhere".
Sun of prob over. hypothesis =1.
bul. 8/A) → 8/A) =1.
discrete. $P(A=A) - \cdots + P(A=A) = 1$ and $P(A=A \mid B) + \cdots + P(A=A \mid B) = 1$
(1) P (AlBeb) + P (Al Beba) = (
I P Factora prob) product of and prob
E T IP P(ABL)=P(ABL)-P(B)-PCC)
A B P(ALB) Chair Rule. Factor a prob > product of and prob Factor a prob > product of and prob P(ABL)-P(ABL)-P(BA) - also P(((BA)-P(BA))-
Bayer Ruk.
p(8. B) = P(A) (3/C(B)) (9)
Bayer Rule. P(S. B) = P(A B)P(B). = P(B A)=P(B B)P(B). P(B A) = P(B A). P(B A) = P(B A). P(B A).
P(B, B) = P(B, A) = P(B, A) P(B, A) P(B, A) P(B) P(B). P(B, A) = P(B, A) P(B) P(B) P(B).