| | | Date OM |
|-----------|------------------|--|
| | | Conditioning & Cayes onle |
| | | |
| | - n - r specific | P(AIB) |
| - | | SO I III O la constant |
| | | Ponobablity of event A given B has occurd |
| | | P(AIB) = P(AAB) Sdefind only P(B) Suhan P(B)>0 |
| | | P(B) \ when P(B)>0 |
| | | |
| | | This is a definction not a Thearm |
| 279 43 | | (10) 94 (AAA)94 (AAA)94 = (20)9 = (1) |
| | | Carolitional application share properties |
| 1 | Lange | Conditional probabilities share properties |
| | | The state of the s |
| | 7 | O P(AIB) >0 |
| | | |
| | 23 457-1- | (D) P(SLIB) = 1 |
| | 1.52 | @ P(AUCIB) = P(AIB) + P(CIB) |
| | | |
| | * | Multiplication onle |
| | | |
| | 4. 1 | P(ANBAC) = P(A).P(B/A).P(C/ANB) |
| | | |
| | 1 | This can be generalized to n terms. |
| | * | Total probability theorem |
| | i ab | |
| | | |
| 100 (100 | | |
| | | |
| | | |

Let A. Az As be partition of samplespace. Az P(B)= P(BNA,)+ P(BNA2) + P(BNA2) P(B) = P(A,) P(B|A,) + P(A2) P(B|A2) + P(A3) P(B|A) P(B) = \(P(A;)P(B|A;) \) * Bayes onle P(A; 10) = P(A;) P(B[A;) ZP(A;)P(BIA;) > Systematic approach) for incorpositing no evidence