19th dec 122

Aerofit Review let's start @ 9:05

onditional marginal O Age 1 2 de come T \$2500 3 fitness 1 KP28/ KP 481 \$1750 \$1500 Ugaze 1 5 Gender Data > Baric Exploration (df.info, describe -> Psi variate Analysis -> Probabilities

Target Varible - Product

Deck of Cards \rightarrow 52 • P(King) = 4/52 = 1/13 \checkmark 4 \rightarrow Marginal Prob. · P(King | Red) = 2/26 Sonditional Prob. • $P(\text{King and Red}) = P(\text{KNR}) = \frac{2}{52}$ yount.

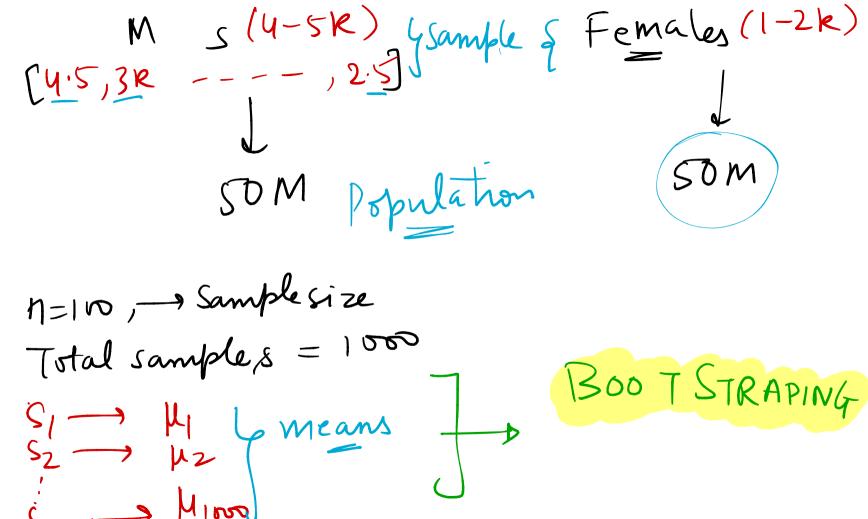
Conditional

P(A) P(A/B)

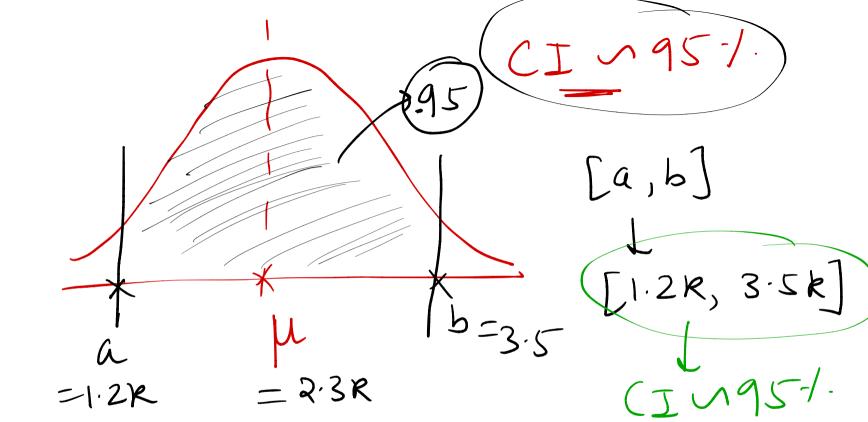
Marginal

Joint P(ANB) Product (6,1,2). Lume [5k,72 Product. gender -> 0,1,2
product -> 0,1,2 ر ر

(CLT) Central limit theorem as sample size In Inferring about
population
with more confidence y m _ > M- Houle means



) Mirso] [M1 142 populations mean records 4 > 5M 150M, 50B



95% [1.2k, 3.5k] 9 Males 9 Females CI 95-1., [0.8k, 2.0k] mean Amount spent

[65,69,47,52,---(10 (7) Population $\mu_1 = 63.5$ M2=62.7 with 95% CI