## BAYES THEOREM

$$P(A|B) = P(A \text{ and } B)$$
 $P(B)$ 

; P(A and B) = P(AIB).P(B) -

$$P(B|A) = \frac{P(B \text{ and } A)}{P(A)}$$

; P(B and A) = P(B|A).P(A) - 2

Refer to multiplication document to understand outcome space restrictions.

longs eea (2) bro (1)

P(B)

posterior likelihood

marginal likelihood.



