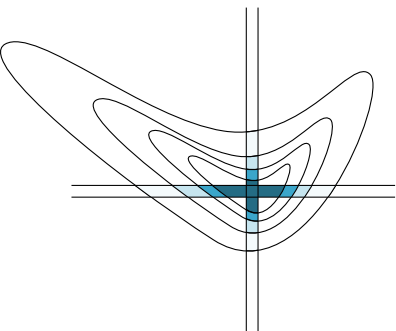


joint

$P(x, b)$

conditionals

marginals



$$P(x \mid b) = \frac{P(x, b)}{P(b)}$$

$$P(b \mid x) = \frac{P(x, b)}{P(x)}$$

$$P(x) = \sum_b P(x, b)$$

$$P(b) = \sum_x P(x, b)$$

