

Pareto Bayes

830017

Pareto , 8 yes
~~458~~ Bayes , 8 Bayes , U V
Bayes , 8 , 8 3P ayeto

$$\begin{array}{ccccccccc} X & & X & & & & & & \\ F(x-a) & = & (ax) \cdot x & & & & & & \\ f(x-a) & = & a x^{(1)} \cdot x & & & & & & \\ a & & a & & n & & & & m \quad n \\ R_j \cdot j & & m \cdot \delta & & & & & & X \quad \textcircled{O} \quad n \\ n & & H & & H & & & & X \\ & & R & & & & & & \end{array}$$

$$M = n(n - R)(n - R - R) \left(n - \sum_j^m \left(R_j - \bar{R} \right) \right)$$

$$L(a | x) = M^{-m} \left[\prod_j^m \left(\frac{x_j}{a} - R_j \right) \right] \left(\frac{x_j}{a} \right)^{-m}$$

$$T = \frac{m}{T} \sum_j^m \left(\frac{x_j}{a} - R_j \right) \left(\frac{x_j}{a} \right)$$

$$S(\cdot) = \frac{\cdot}{\bar{X}}$$

$$\frac{E(\cdot | X)}{E(\bar{X} | X)}$$

$$x = (x_1, \dots, x_n)$$

$$(\cdot) = \frac{m}{T}$$

$$E(\quad | X) \qquad h(a | x) d$$

$$\begin{aligned}
 h(a | x) &= \frac{(\tau)^m}{(m)} e^{(-\tau)} \\
 E(q|X) &= qh(a|x)d\tau = \frac{q(\tau)^m}{(m)} e^{(-\tau)}d\tau = \frac{(m-q)}{(m)(\tau)^q} \\
 E(-q|X) &= qh(a|x)d\tau = \frac{q(\tau)^m}{(m)} e^{(-\tau)}d\tau = \frac{(m-q)}{(m)(\tau)^q} \\
 \left[\frac{E(-q|X)}{E(q|X)} \right]^{-q} &= \left[\frac{(m-q)}{(m-q)} \right]^{-q} = \frac{1}{\tau}
 \end{aligned}$$

$$\begin{aligned}
 & () \\
 U() U(-c) &= () - () \bar{c} \\
 c(c -) &= c \\
 & X = (x_1 x_2 \dots x_n) \\
 \} & \\
 c \underline{\quad} (\quad) &
 \end{aligned}$$

HB

$$E(\cdot | X) \quad h(a | x) d = \frac{\frac{c}{()} e^{(-T)} d d d}{\frac{(m)}{()(-T)} d^m}$$

$$\frac{\frac{c}{()} (m)}{()(-T)} d^m$$

$$_{HB} \quad \frac{E(\cdot | X)}{E(\cdot | X)} = \frac{\frac{c}{()} (m)}{()(-T)} d^m$$

$$\begin{aligned}
 & B \\
 & B(a b) \quad p(a b) d a d b \\
 & E_B \quad D \quad a \quad b \quad p(a b) \quad a \quad b \quad b_B(a b) \\
 & D \quad = \quad X \quad (X \quad X \quad X_n) \\
 & \quad \quad \quad () \quad H
 \end{aligned}$$

Pareto

Bayes

q

n m θ δ δ

n m _____ M

n m δ δ

n m _____

c

<i>n</i>	<i>m</i>	HB, EB
	—	HB

