$$\frac{P(1|=1 \mid X=x)}{P(Y=0 \mid X=x)} = \frac{P(X(Y=1) P(Y=1))}{P(X)}$$

$$\frac{P(X|Y=0) P(X=1)}{P(X|Y=0)} = \frac{P(X|Y=0)}{P(X|Y=0)}$$

$$\frac{P(X|Y=0) P(Y=0)}{P(X)}$$

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Buyes nsk
$$r(\hat{y}(\cdot)) = \mathbb{E}_{x_{i,y}} \left[\mathbb{E}_{y_{i,x}} \left[\mathbb{E}_$$

YEIR
$$\left(\left(\frac{1}{1}, \frac{1}{1} \right) \right) = \left(\frac{1}{1} - \frac{1}{2} \right)^2$$
argmin $\left(\frac{1}{1} - \frac{1}{2} \right) = \frac{1}{1} \left(\frac{1}{1} - \frac{1}{2} \right)^2$

~ H

$$P(\gamma=1 \mid x_1 \dots x_p) = \frac{P(x_1 \dots x_p)}{P(x_1 \dots x_p)}$$

$$P(x_1 \dots x_p)$$

pair Bayes assumption:

$$= \left[\frac{1}{2} p / X, | Y = 1 \right] p / Y = 1$$

p(x,...xp)

NOTE: The assurption does not imply

P/X... Xx) = TI P(X;)

Z [T p (X; | Y = y)] p (Y = y)

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