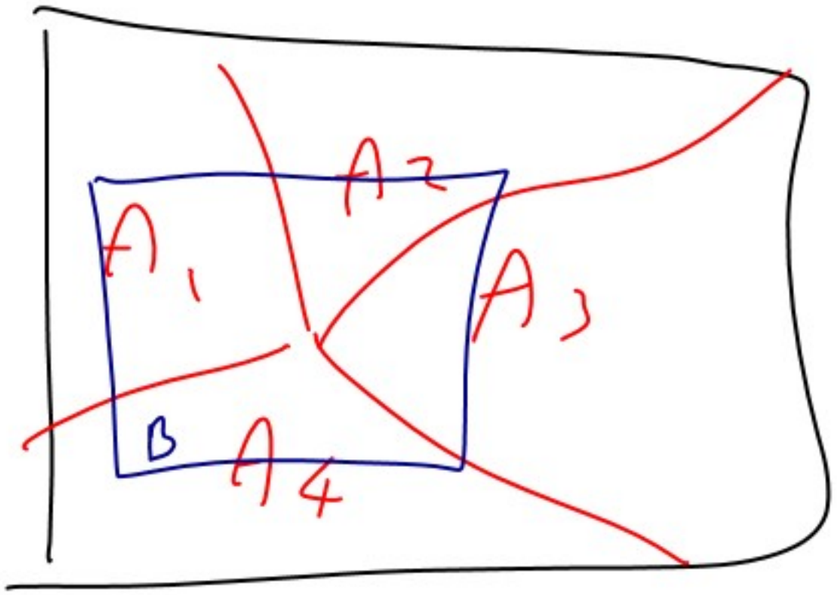
$$\theta_i \in [\underline{\theta}, \bar{\theta}]$$

$$P(A_1|B) = \frac{P(A_1 \cap B)}{P(B)}$$



$$P(A_i|B) = \frac{P(A_2 \cap B)}{P(B)}$$

$$P(A_1|B) + P(A_2|B) + P(A_3|B) + P(A_4|B) = 1$$

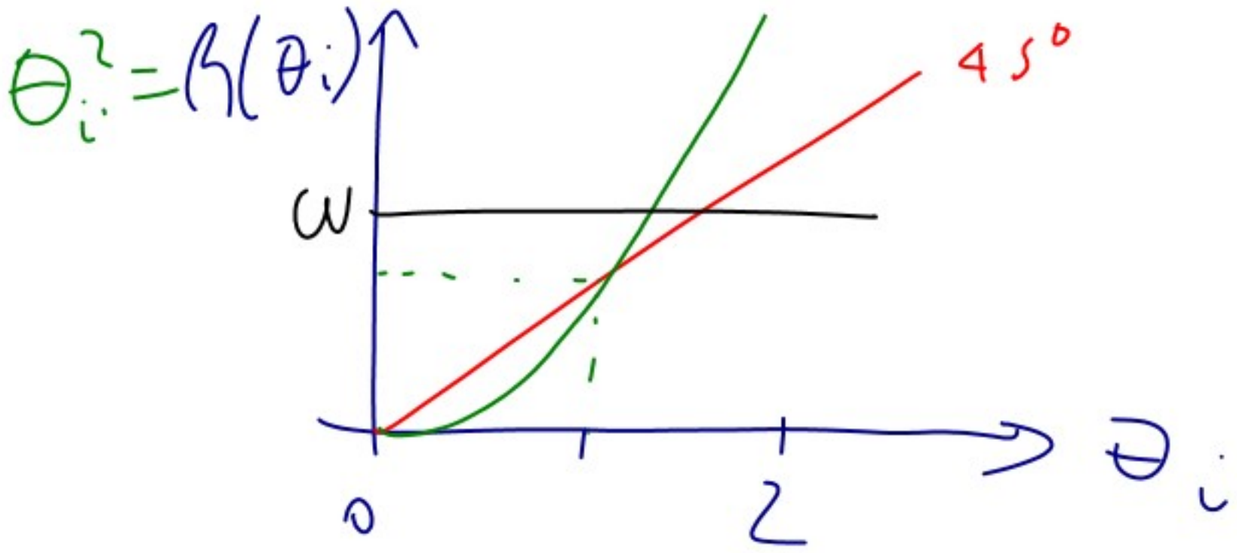
$$\frac{P(A_1 \cap B)}{P(B)} + \frac{P(A_2 \cap B)}{P(B)} + \frac{P(A_3 \cap B)}{P(B)} + \frac{P(A_4 \cap B)}{P(B)}$$

$\theta_i \in [\underline{\theta}, \bar{\theta}]$

$f(\theta_i) = \theta_i$

↳ PRODUCTIVIDAD EN LA FÁBRICA

$R(\theta_i)$ PRODUCTIVIDAD EN LA CASA.



SIN ASIMETRÍA DE INFORMACIÓN

$f(\theta_i) = \theta_i$

$$1_{\{r(\theta_i) \leq \theta_i\}} = \begin{cases} 1 & \text{SI } r(\theta_i) \leq \theta_i \\ 0 & \text{OTRO CASO} \end{cases}$$

NO: $w_i > \theta_i$

NO: $w_i < \theta_i$ (COMPETENCIA ENTRE EMPRESARIOS)

$w_i = \theta_i$

$r(\theta_i)$

$h(\theta_i)$ DENSIDAD

$$N \int_{\underline{\theta}}^{\bar{\theta}} \left[\theta_i \, 1_{\{r(\theta_i) \leq \theta_i\}} + r(\theta_i)\left(1 - 1_{\{r(\theta_i) \leq \theta_i\}}\right) \right] h(\theta_i) \, d\theta_i$$

CON A.I.

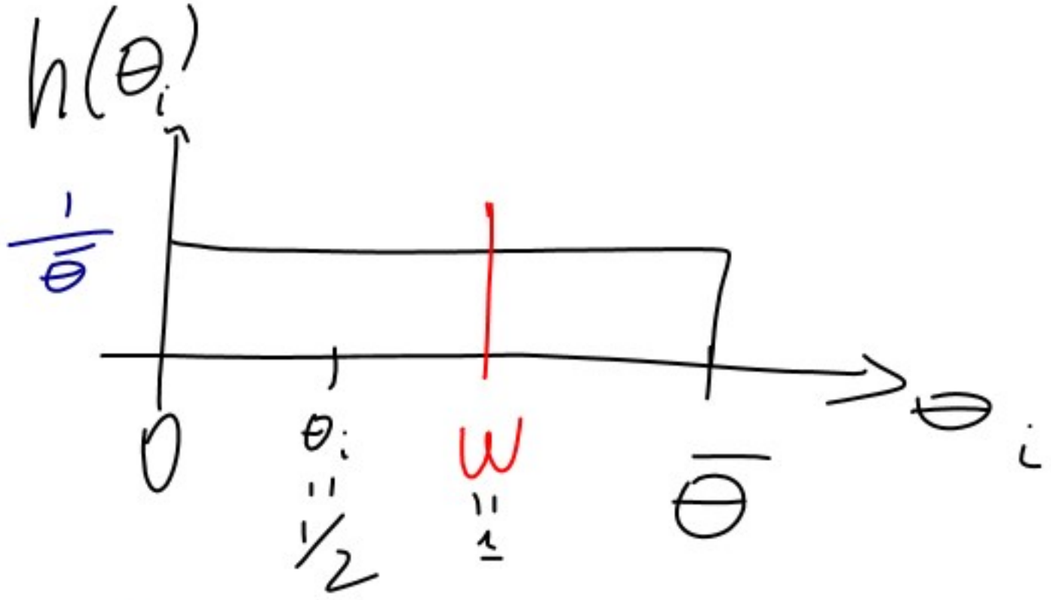
$$W = E(\Theta_i / R(\Theta_i) \leq W)$$

W

ACEPTAN TRABAJAR EN LA FÁBRICA

$$\Theta_i / \quad R(\Theta_i) \leq W$$

$\Theta_i \rightarrow$ { FÁBRICA W ; CASA $R(\Theta_i)$



$R(\theta_i) = \theta_i$

$$E(\theta_i \mid R(\theta_i) \leq w)$$

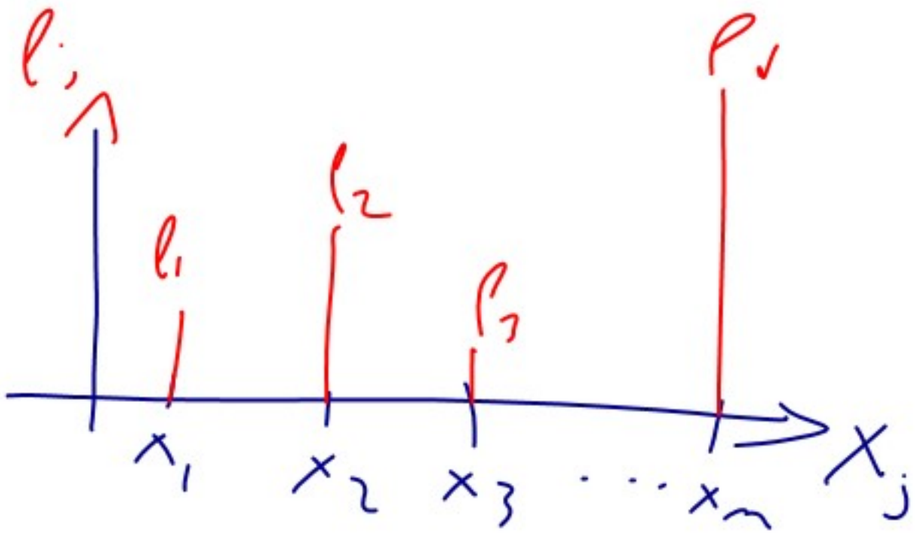
$$E(\theta_i \mid \theta_i \leq w)$$

V.A. DISCRETAS

$$X: \Omega \longrightarrow \mathbb{R}$$

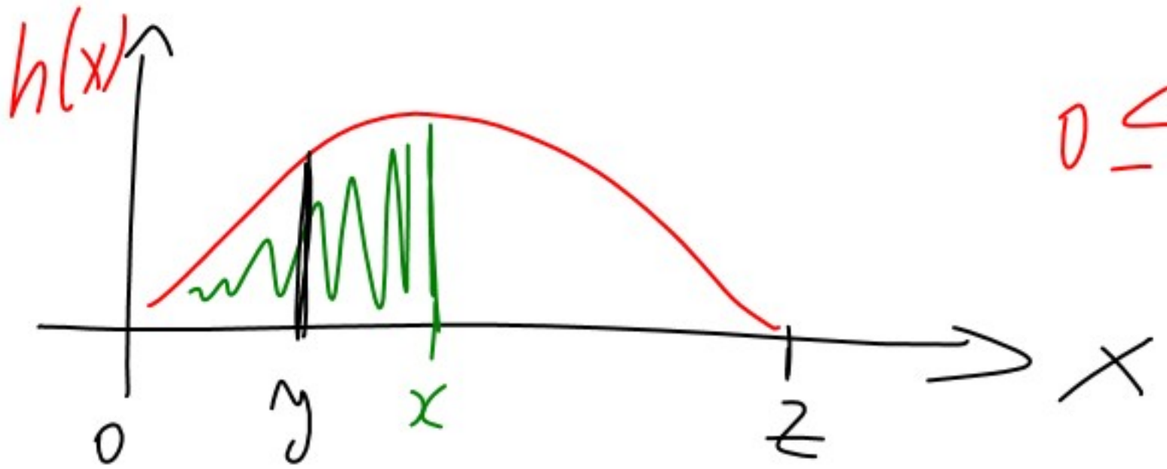
$$\{X_1, X_2, \dots X_N\}$$

$$\{p_1, p_2, \dots p_N\}$$



$$0 \leq p_j \leq 1 \qquad \forall j = 1, 2, \dots N$$

$$\sum_{j=1}^{N} p_j = 1$$



$$0 \le h(x) \le 1$$

$$\int_{\mathbb{R}} h(x)\,dx = 1$$

$$P(X \le x) = F_X(x) = \int_{-\infty}^{x} h(x)\,dx$$

$$P(y < X \le x) = F_X(x) - F_X(y)$$

$$P(X = x) = \lim_{y \to x^-} F_X(x) - F_X(y)$$