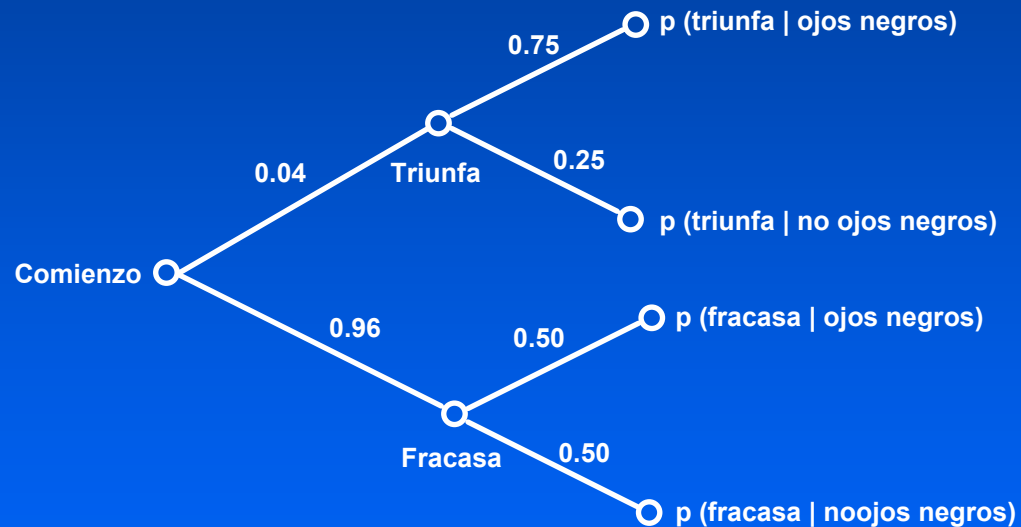


Probabilidad condicional



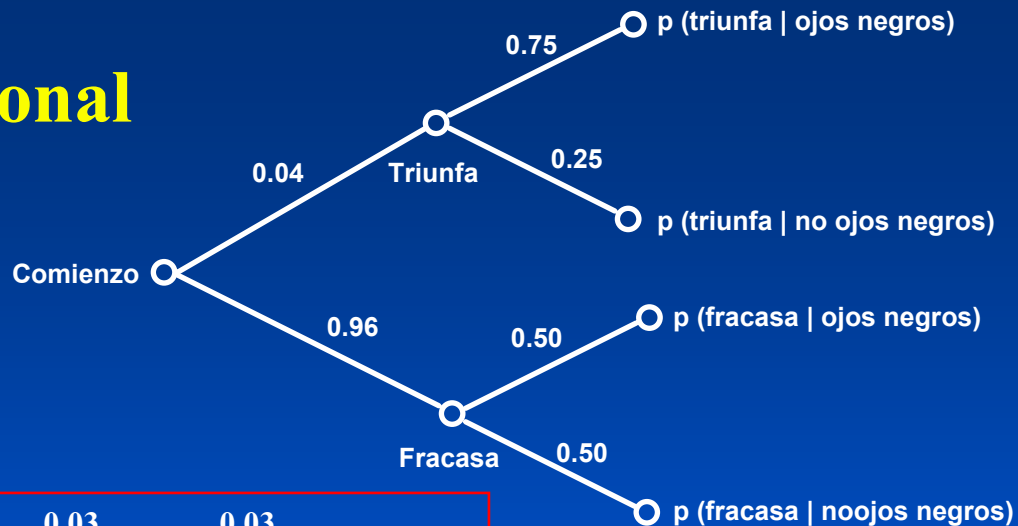
Probabilidad condicional

$$\frac{\text{prop. de triunfar | ojos negros}}{\text{Prop. total ojos negros}} = \frac{0.03}{0.03 + 0.48} = \frac{0.03}{0.51} = 0.0588$$

$$\begin{aligned} P(\text{triunfa} | \text{con ojos negros}) &= 0.04 \times 0.75 &= 0.03 \\ P(\text{triunfa} | \text{sin ojos negros}) &= 0.04 \times 0.25 &= 0.01 \\ P(\text{fracasa} | \text{con ojos negros}) &= 0.96 \times 0.50 &= 0.48 \\ P(\text{fracasa} | \text{sin ojos negros}) &= 0.96 \times 0.50 &= 0.48 \\ \text{Total} &&= 1.00 \end{aligned}$$

<i>Puntuación</i>	<i>Triunfa</i>	<i>Fracasa</i>	<i>Puntuación total</i>
Con ojos negros	0.03	0.48	0.51
Sin ojos negros	0.01	0.48	0.49
Tota columnas	0.04	0.96	1.00

Probabilidad condicional



$$\frac{\text{prop. de triunfar | ojos negros}}{\text{Prop. total ojos negros}} = \frac{0.03}{0.03 + 0.48} = \frac{0.03}{0.51} = 0.0588$$

$$\begin{aligned}
 P(\text{triunfa} | \text{con ojos negros}) &= 0.04 \times 0.75 &= 0.03 \\
 P(\text{triunfa} | \text{sin ojos negros}) &= 0.04 \times 0.25 &= 0.01 \\
 P(\text{fracasa} | \text{con ojos negros}) &= 0.96 \times 0.50 &= 0.48 \\
 P(\text{fracasa} | \text{sin ojos negros}) &= 0.96 \times 0.50 &= 0.48 \\
 \text{Total} &&= 1.00
 \end{aligned}$$

Puntuación	Triunfa	Fracasa	Puntuación total
Con ojos negros	0.03	0.48	0.51
Sin ojos negros	0.01	0.48	0.49
Tota columnas	0.04	0.96	1.00