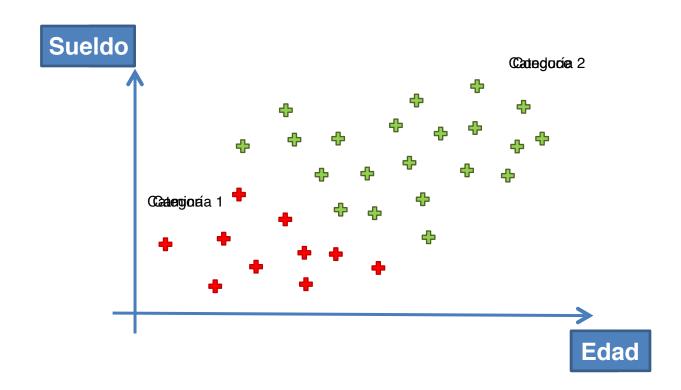
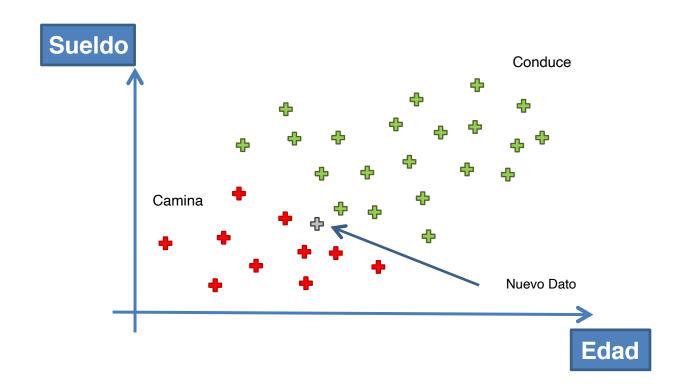
# Idea del Clasificador con Naïve Bayes



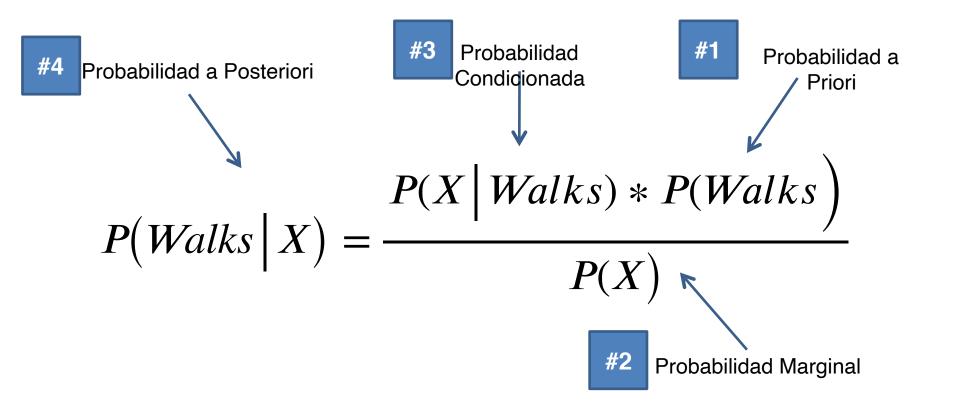
$$P(A \mid B) = \frac{P(B \mid A) * P(A)}{P(B)}$$

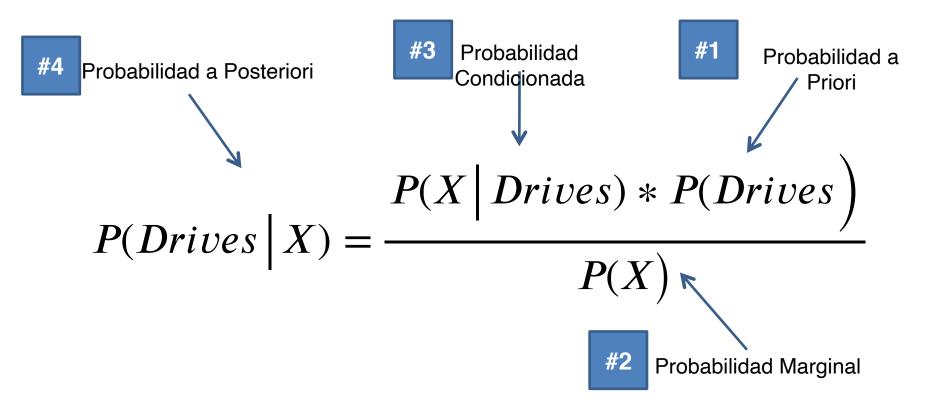




### Plan de Ataque

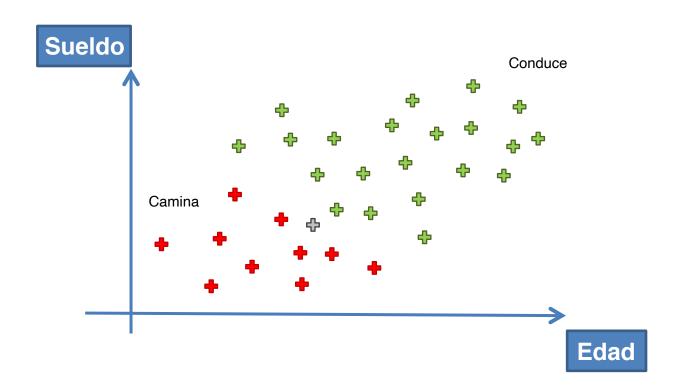
$$P(A \mid B) = \frac{P(B \mid A) * P(A)}{P(B)}$$

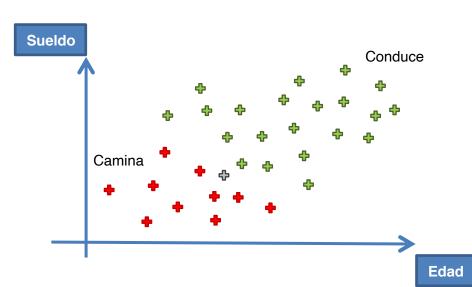




$$P(Walks \mid X) v.s. P(Drives \mid X)$$





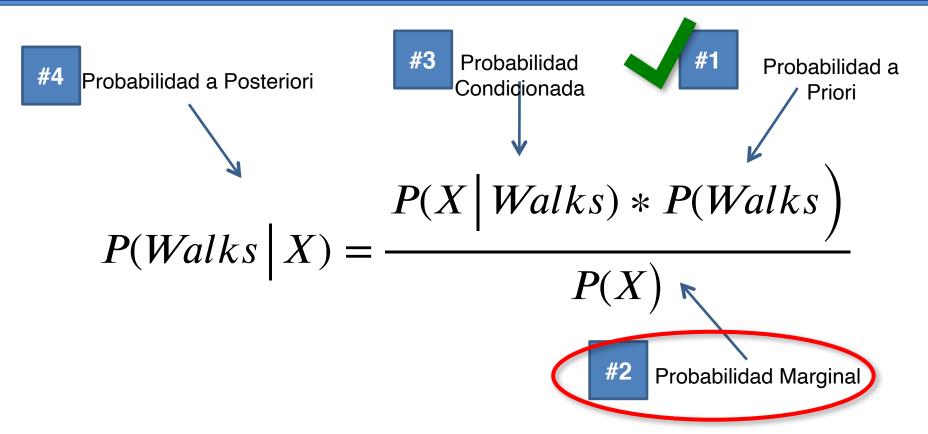


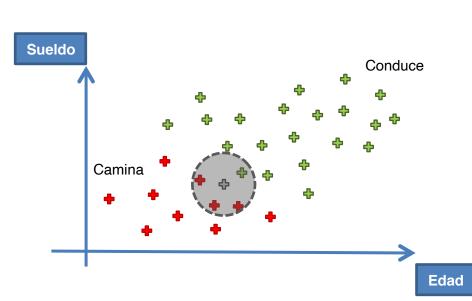
#### #1. P(Camina)

$$P(Walks) = \frac{Number\ of\ Walkers}{Total\ Observations}$$

$$P(Walks) = \frac{10}{30}$$

Machine Learning A-Z



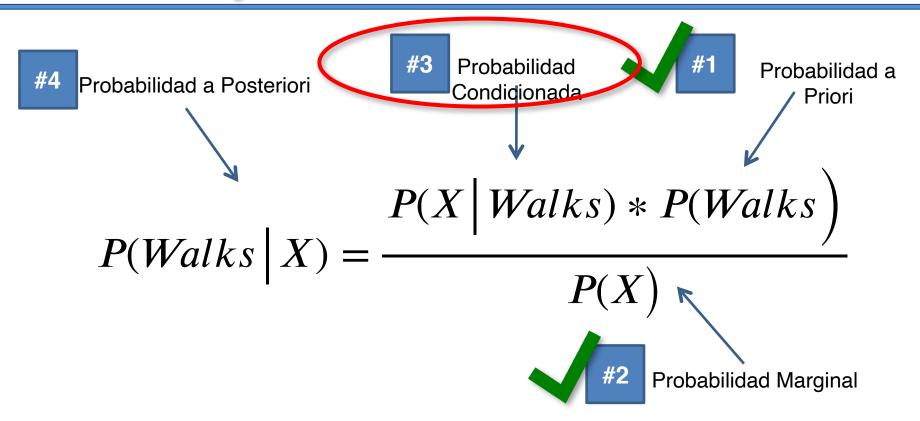


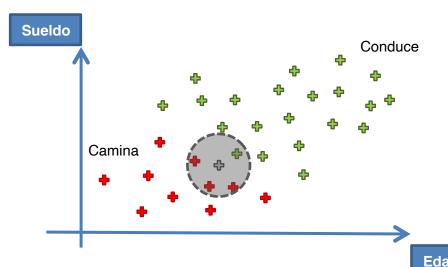
#2. P(X)

$$P(X) = \frac{Number\ of\ Similar\ Observations}{Total\ Observations}$$

$$P(X) = \frac{4}{30}$$

Machine Learning A-Z





#### #3. P(XICamina)

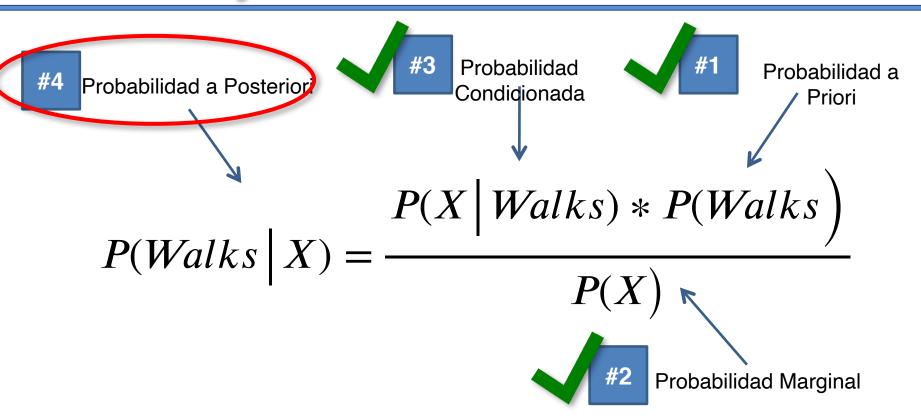
$$Number of Similar$$

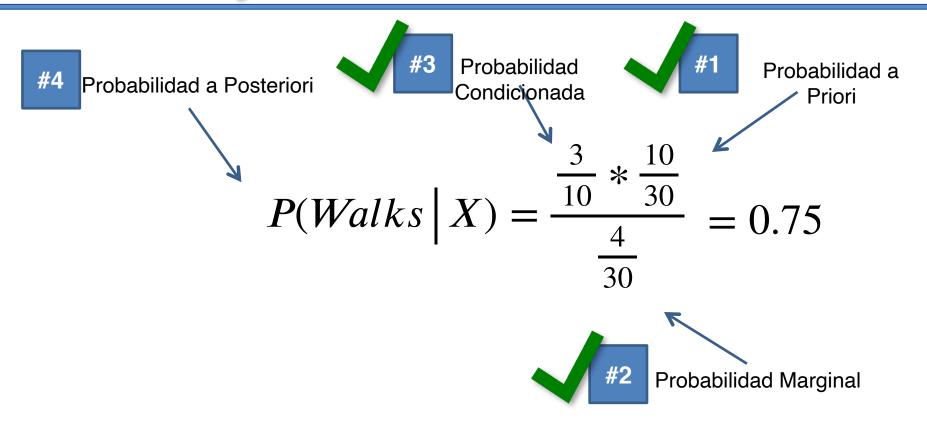
$$Observations$$

$$P(X | Walks) = \frac{Among those who Walk}{Total number of Walkers}$$

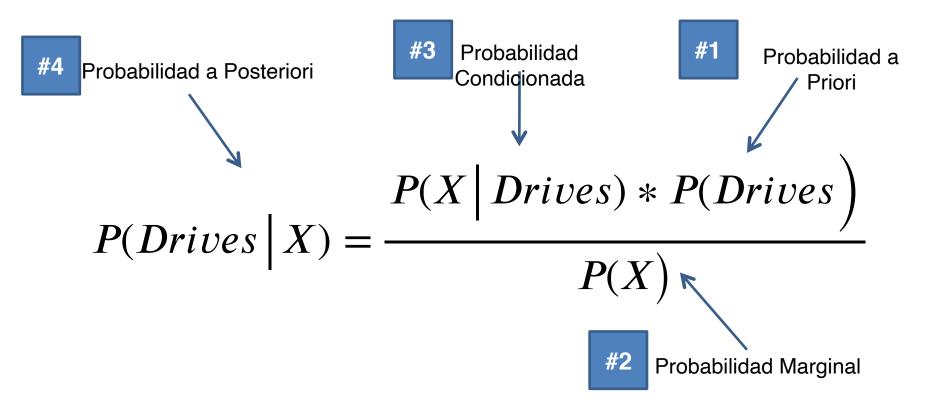
$$P(X | Walks) = \frac{3}{10}$$

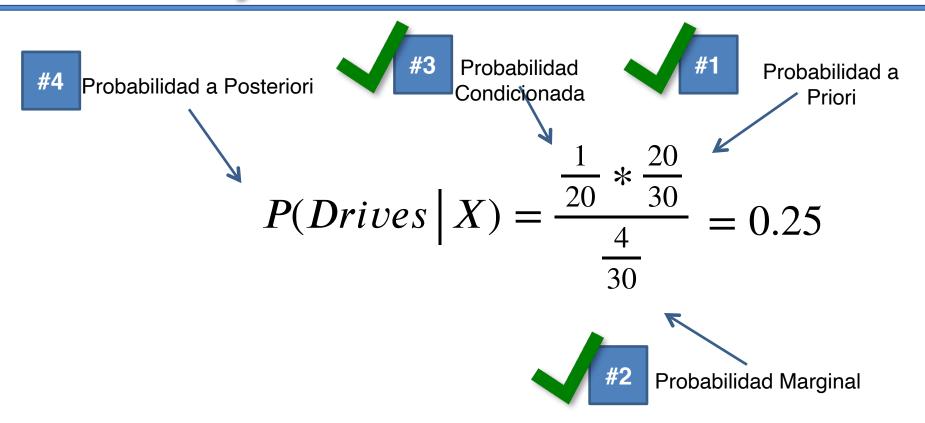
Edad





Paso 1 – Listo.





Paso 2 - Listo.

$$P(Walks \mid X) v.s. P(Drives \mid X)$$

 $0.75 \ v.s. \ 0.25$ 

0.75 > 0.25

