

Quiz

1. มนธย 35 ที่ทำคะแนนได้ดี credit ดีมาก หรือดีจนเกินไป

yes

$$\begin{aligned} P(b=y \mid a=31...40, st=N, credit=excellent) \\ &= P(a=31...40 \mid b=y) P(st=N \mid b=y) P(credit=excellent) \\ &= \frac{4}{9} \times \frac{2}{9} \times \frac{8}{9} \\ &= 0.0494 \end{aligned}$$

no

$$\begin{aligned} P(b=N \mid a=31...40, st=N, credit=excellent) \\ &= P(a=31...40 \mid b=N) P(st=N \mid b=N) P(credit=excellent) \\ &= 0 \end{aligned}$$

$$X = (a=31...40, st=N, credit=excellent)$$

$$P(X|C_i) = P(X|b=y) = 0.0494$$

$$P(X|b=N) = 0$$

$$P(X|C_i) * P(C_i) = 0.0494 \times 0.643 = 0.0318$$

ดีจนเกินไป หรือ

2. มนธย 50 ทำคะแนนได้ดี หรือดีจนเกินไป

yes

$$\begin{aligned} P(b=y \mid a>40, st=yes) \\ &= P(a>40 \mid b=y) P(st=yes \mid b=y) \\ &= \frac{2}{9} \times \frac{6}{9} \\ &= 0.2222 \end{aligned}$$

no

$$\begin{aligned} P(b=N \mid a>40, st=yes) \\ &= \end{aligned}$$