

Quiz 12

Q Age stu
20 yes

$P(\text{age} \leq 30 | \text{yes}) P(\text{stu} = \text{yes} | \text{yes})$

$$P(y | \hat{x}) = \frac{2}{9} \times \frac{6}{9} \times \frac{9}{14} = 0.095$$

$$P(N | \hat{x}) = \frac{3}{5} \times \frac{2}{5} \times \frac{5}{14} = 0.086$$

now yes

$P(\text{buy} = \text{yes}) P(\text{buy} = \text{No})$

↓
 $\frac{9}{14}$

↓
 $\frac{5}{14}$