

Input: Age 31-40, income = high, yes, Fair

นายอัครวิธ อึ้ง

$$P(i;): P(\text{buy} = \text{yes}) = 0.643$$

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$$P(\text{buy} = \text{no}) = 0.357$$

Quiz 8

$$P(\text{age: 31-40} | \text{yes}) = \frac{4}{9}$$

$$P(\text{income: high} | \text{yes}) = \frac{2}{9}$$

$$P(\text{Student} | \text{yes}) = \frac{6}{9}$$

$$P(\text{Fair} | \text{yes}) = \frac{6}{9}$$

$$P(31-40 | \text{NO}) = \frac{0+1}{5+2} = \frac{1}{7}$$

$$P(\text{high} | \text{NO}) = \frac{2}{5} = \frac{2}{5}$$

$$P(\text{student: yes} | \text{NO}) = \frac{1}{5} =$$

$$P(\text{Fair} | \text{NO}) = \frac{2}{5}$$

$$P(x | \text{buy} = \text{yes}) * P(\text{yes})$$

$$= 0.044 \times 0.643$$

$$= 0.028$$

$$P(x | \text{buy} = \text{no}) * P(\text{no})$$

$$= 0.005 \times 0.357$$

$$= 0.00178$$

$$P(x | \text{buy} = \text{yes}) = \frac{4}{9} \times \frac{2}{9} \times \frac{6}{9} \times \frac{6}{9} = 0.044$$

$$P(x | \text{buy} = \text{no}) = \frac{1}{7} \times \frac{2}{5} \times \frac{1}{5} \times \frac{2}{5} = 0.005$$

สรุป Age 31-40, income = high, student = yes, Fair
 2 = ข้อสอบฝึกหัด