$$p(B|A) = \frac{p(A\cap B)}{p(A)} = \frac{c.682}{c.138} = c.594$$

(b) 
$$\frac{P(E1D)}{P(E1D')} = \frac{\frac{273}{989}}{\frac{2641}{9901}} = \frac{273 \times 9901}{989 \times 2641} = 1.03$$

·· iratio接近1:無關

3.

(a) 
$$PR = \frac{42}{1518} = \frac{42 \times 1473}{23 \times 1518} = 0.558 \times 0$$
 $0dds = \frac{42}{1400} = \frac{42 \times 1400}{23 \times 1426} = 0.546 \times 0$ 

(b) 有關, : PR& odds 都和一有根大笔距,越接近1越有

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(b) 
$$P(6) + P(7) + P(8) = 0.05 + 0.1 + 0.6 = 0.75$$
 (c)

(d) 
$$P(x \ge 7) = 1 - P(x < 7) = 1 - 0.05 = 0.95$$
(e)

(e)
$$P(x>7) = 1 - P(x \le 7) = 1 - (0.05 + 0.1) = 0.85$$

5. 
$$p(c|D) = \frac{p(D|C)p(C)}{p(D)} = \frac{0.012 \times 0.3}{0.0181} = 0.199$$