| | Documents | Class |
|---|---|---|
| Training | − just plain boring | − |
| | − entirely predictable and lacks energy | − |
| | − no surprises and very few laughs | − |
| | + very powerful | + |
| | + the most fun film of the summer. | + |
| Test | ? predictable with no fun | |

$$P(predictable \mid -) = \frac{(1+1)}{(14+20)} = \frac{2}{34} \qquad P(t) =$$

$$P(with \mid -) = \frac{(0+1)}{(14+20)} = \frac{1}{34} \qquad P(-) = \frac{3}{5}$$

$$P(no \mid -) = \frac{(1+1)}{(14+20)} = \frac{2}{34} \qquad P(+) = \frac{2}{5}$$

$$P(fun \mid -) = \frac{(1+1)}{(14+20)} = \frac{2}{34}$$

$$P(predictable \mid +) = \frac{(0+1)}{(8+20)} = \frac{1}{28}$$

$$P(with \mid +) = \frac{(0+1)}{(8+20)} = \frac{1}{28}$$

$$P(fun \mid +) = \frac{(1+1)}{(8+20)} = \frac{2}{28}$$

$$P(no \mid +) = \frac{(0+1)}{(8+20)} = \frac{1}{28}$$

$$P(- \mid document) = \frac{3}{5} \cdot \frac{2}{34}^2 \cdot \frac{1}{34}^2 \approx 0.000001796$$

$$P(+ \mid document) = \frac{2}{5} \cdot \frac{1}{28}^3 \cdot \frac{2}{28} \approx 0.0000013015$$