

Huấn luyện

class = B

hanoi

pho

chaolong

buncha

omai

banhgio

saigon

lutiui

banhbo

d1: \mathbf{x}_1

2

1

1

0

0

0

0

0

0

d2: \mathbf{x}_2

1

1

0

1

1

0

0

0

0

d3: \mathbf{x}_3

0

1

0

0

1

1

0

0

0

Total

3

3

1

1

2

1

0

0

0

$\Rightarrow \hat{\lambda}_B$

4/20

4/20

2/20

2/20

3/20

2/20

1/20

1/20

1/20

$d = |V| = 9$

$\Rightarrow N_B = 11$

$(20 = N_B + |V|)$

class = N

d4: \mathbf{x}_4

0

1

0

0

0

0

1

1

1

$\Rightarrow \hat{\lambda}_N$

1/13

2/13

1/13

1/13

1/13

1/13

2/13

2/13

2/13

$\Rightarrow N_N = 4$

$(13 = N_N + |V|)$

d5: $\mathbf{x}_5 = [2, 0$

$p(B|d5) \propto p(1$

$$= \frac{3}{4} \left(\frac{4}{2} \right)$$

$p(N|d5) \propto p(1$

$$= \frac{1}{4} \left(\frac{1}{13} \right)$$

$\Rightarrow p(\mathbf{x}_5|B) > p$