2016302580320-任思远-第八次 作业

7.7

$$egin{aligned} \sigma(A,B) &= rac{1+Aullet B-A\odot B}{\sim} rac{2}{2} \ &= rac{1+0.8-0.6}{2} \ &= 0.6 \end{aligned}$$

7.9

Hamming 距离

$$egin{aligned} d_H(\begin{subarray}{c} A, B_1) &= \sum_{i=1}^4 |\mu_A(x_i) - \mu_{B_1}(x_i)| \ &= 0.6 \ d_H(\begin{subarray}{c} A, B_2) &= \sum_{i=1}^4 |\mu_A(x_i) - \mu_{B_2}(x_i)| \ &= 0.2 \end{aligned}$$

于是 $A ext{ in } B_2$ 更近。

Hamming 贴仅度

$$egin{align} \sigma_H(A,B_1) &= 1 - rac{1}{4} \sum_{i=1}^4 |\mu_A(x_i) - \mu_{B_1}(x_i)| \ &= 0.85 \ \sigma_H(A,B_2) &= 1 - rac{1}{4} \sum_{i=1}^4 |\mu_A(x_i) - \mu_{B_2}(x_i)| \ &= 0.95 \ \end{matrix}$$

于是 $A 与 B_2$ 更近。