









CLUSTERING

K-Mean

$$K = \{2, 3, 4, 10, 11, 12, 10, 25, 30 \}$$
 $K = 2$

$$m_{12} 4 m_2 = 12$$

$$k_1 = \{2, 3, 4\} = m = 9 = 3$$

$$K_2 = \{10, 11, 12, 20, 25, 30\}$$
 $m_2 = 108 = 18$

$$m_1 = 4/3$$
 $m_2 = 18$

$$m_1 = 4/3$$
 $m_2 = 18$
 $K_1 = \{2, 3, 4\}, 10\}$ $K_2 = \{11, 12, 20, 25, 30\}$
 $m_1 = \{19, 20, 25, 30\}$
 $m_2 = \{19, 6\}, 20$

$$K_1 = \{2, 3, 4, 10, 11, 12\}$$
 $K_2 = \{20, 25, 30\}$ $M_1 = \frac{42}{6} = 7$ $M_2 = 25$

$$K_1 = \{2, 3, 4, 10, 11, 12\}$$
 $K_2 = \{20, 25, 30\}$

LA FILM LA DICK