

Soal Latihan Hal-6

Diketahui data hasil Pengukuran Panjang dan lebar dari 10 objek

1. Istilah variabel x dan y menggunakan rata-rata dari masing-masing atribut

Jawab :

$$x = \frac{\sum \text{Panjang}}{n}$$

$$= \frac{405}{9}$$

$$= 45$$

$$y = \frac{\sum \text{lebar}}{n}$$

$$= \frac{117}{9}$$

$$= 13$$

2. Lakukan proses terhadap data yang sudah lengkap menggunakan metode:

a) normalisasi min-max dalam range 0-1

Jawab:

Panjang : min = 40

max = 49

new-min = 0

new-max = 1

$$V'_1 = \frac{40-40}{49-40} (1-0) + 0$$

$$= \frac{0}{9} \cdot 1 + 0 = 0$$

$$V'_2 = \frac{43-40}{49-40} (1-0) + 0$$

$$= \frac{3}{9} + 0 = 0,33$$

$$V'_3 = \frac{47-40}{49-40} (1-0) + 0$$

$$= \frac{7}{9} + 0 = 0,77$$

$$V'_4 = \frac{42 - 40}{49 - 40} (1-0) + 0$$

$$= \frac{2}{9} + 0 = 0.22$$

$$V'_5 = \frac{47 - 40}{49 - 40} (1-0) + 0$$

$$= \frac{7}{9} + 0 = 0.77$$

$$V'_6 = \frac{43 - 40}{49 - 40} (1-0) + 0$$

$$= \frac{3}{9} + 0 = 0.33$$

$$V'_7 = \frac{48 - 40}{49 - 40} (1-0) + 0$$

$$= \frac{8}{9} + 0 = 0.88$$

$$V'_8 = \frac{46 - 40}{49 - 40} (1-0) + 0$$

$$= \frac{6}{9} + 0 = 0.66$$

$$V'_9 = \frac{49 - 40}{49 - 40} (1-0) + 0$$

$$= \frac{9}{9} + 0 = 1$$

$$V_{io} = \frac{45 - 40}{49 - 40} \cdot (1 - 0) + 0$$

$$= \frac{5}{9} + 0 = 0.55$$

17) Equal - Frequency binning,
dengan Frekuensi 5

Jawab:

Panjang :

40, 42, 43, 43, 45, 46, 47, 47, 48, 49
A, A, A, A, A, B, B, B, B, B

Coba:

10, 12, 12, 12, 12, 13, 14, 14, 15, 16
P P P P P Q Q Q Q Q