Parisa Sanjana KNN_ Tank 01

Herce, the table & then, input = 22 and k=3, this means we will find 3 closent value.

Now, we USQ

Euclidean Distance,

NOW.

9

$$D_1 = \sqrt{(22-31)^2} = 9$$

$$D_2 = \sqrt{(22-30)^2} = 8$$

$$D_3 = \sqrt{(22 - 25)^2} = 3$$

$$D_5 = \sqrt{(22-23)^2} = 1$$

$$D_6 z \sqrt{(22-22)^2} = 0$$

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20			55		22	+			
-			60		0	\perp	C		
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$$D_8 = \sqrt{(22-20)^2} = 2$$

$$D_9 = \sqrt{(22-21)^2} = 1$$

Clavusef

then, K=3. nearcost neibours X=22. then A=22 then Distance = 0, income = 60 A=22 then Distance = 0, income = 61 A=22 then Distance = 1, income = 60

Predicted income, 60+61+60

= 60.333

Am: