

# KNN - for - regression

Age	Income	Distance	Sorted
21	60	1	A
20	55	1	B
22	60	0	C
22	61	0	D
23	65	2	E
21	62	1	F
25	65	2	G
20	70	8	H
21	68	9	I
22	60		

Distance

$$K = 3$$

$$d_M(p, q) = |x_i^{(p)} - x_i^{(q)}| \quad \left\{ \text{when } p = 1 \right.$$

Sorting: C > D > A > B > F > E > G > H > I

$$\text{Mean Income} = \frac{60 + 61 + 60}{3}$$

$$= 60.33$$

$$\boxed{60.33}$$

$$KNN = 3$$