KNN Calculation

$$k = 3$$
 input value, $x = 22$

distance,
$$d(p,q) = \sqrt{(p-q)^2}$$

No.	age	income	Distance, d
a	21	60	$\sqrt{(22-21)^2} = 1$
b	20	55	$\sqrt{(22-20)^2} = 2$
С	22	60	$\sqrt{(22-22)^2} = 0$
d	22	61	$\sqrt{(22-22)^2} = 0$
e	23	65	$\sqrt{(22 - 23)^2} = 1$
f	21	62	$\sqrt{(22 - 21)^2} = 1$
g	25	65	$\sqrt{(22 - 25)^2} = 3$
h	30	70	$\sqrt{(22-30)^2} = 8$
i	31	68	$\sqrt{(22-31)^2} = 9$

Here, c < d < a < e < f < b < h < i

$$mean = \frac{60 + 61 + 60}{3} = 60.333333333$$

So, the predicted income for age = 22 is 60.33333333.