

age	income
✓ 21	60
20	55
✓ 22	60
✓ 22	61
✓ 23	65
✓ 21	62
25	65
30	70
31	88
22	?

Differences:

$$\begin{array}{l}
 |22 - 21| = 1 \\
 |22 - 20| = 2 \\
 |22 - 22| = 0 \\
 |22 - 22| = 0 \\
 |22 - 23| = 1 \\
 |22 - 21| = 1 \\
 |22 - 25| = 3 \\
 |22 - 30| = 8 \\
 |22 - 31| = 9
 \end{array}
 \begin{array}{l}
 \nearrow \\
 \nearrow \\
 \rightarrow \\
 \nearrow \\
 \nearrow \\
 \nearrow
 \end{array}
 \begin{array}{l}
 \text{best fit} \\
 \rightarrow [1, 0, 0, 1, 1]
 \end{array}$$

$$\text{Diff} = [1, 0, 0, 1, 1] = [60, 60, 61, 65, 62]$$

$$\text{max_Diff} = 1 = [60, 65, 62]$$

$$\therefore \text{Avg} = (60 + 65 + 62) / 3 = 62$$

\therefore Predicted income for 22 is 62