

$$\begin{matrix} & \mathbf{y} \\ \left[\begin{array}{c} 62.5 \\ 68.2 \\ 64.1 \\ 73.8 \\ 67.5 \\ 65.9 \\ 71.2 \\ 69.3 \\ 74.5 \\ 68 \\ 77.2 \\ 82.5 \\ 75.8 \\ 88.1 \\ 81.3 \\ 79.4 \\ 85.7 \\ 78.9 \\ 83.2 \\ 76.9 \end{array} \right] & = & \begin{matrix} & \mathbf{X} \\ & \begin{matrix} Int & c1 & Edu \end{matrix} \\ \left[\begin{array}{ccc} 1 & 0 & 12 \\ 1 & 0 & 14 \\ 1 & 0 & 12 \\ 1 & 0 & 16 \\ 1 & 0 & 14 \\ 1 & 0 & 13 \\ 1 & 0 & 15 \\ 1 & 0 & 14 \\ 1 & 0 & 16 \\ 1 & 0 & 14 \\ 1 & 1 & 16 \\ 1 & 1 & 18 \\ 1 & 1 & 16 \\ 1 & 1 & 20 \\ 1 & 1 & 18 \\ 1 & 1 & 17 \\ 1 & 1 & 19 \\ 1 & 1 & 17 \\ 1 & 1 & 18 \\ 1 & 1 & 16 \end{array} \right] \end{matrix}
 \end{matrix}$$

b

$$\begin{bmatrix} b_0 \\ b_1 \\ b_2 \end{bmatrix}$$

Old program

Education column
has actual values
(not just 0s and 1s)

New program