Example (continued)

The normal equations and their solution are

$$\left[\begin{array}{cc} 7 & 14 \\ 14 & 56 \end{array}\right] \left[\begin{array}{c} \hat{c} \\ \hat{m} \end{array}\right] = \left[\begin{array}{c} 21 \\ 68 \end{array}\right] \Rightarrow \left[\begin{array}{c} \hat{c} \\ \hat{m} \end{array}\right] = \left[\begin{array}{c} \frac{8}{7} \\ \frac{13}{14} \end{array}\right]$$

So here is the best fit and a graph:

Best fit:
$$y = \frac{8}{7} + \frac{13}{14}x$$

