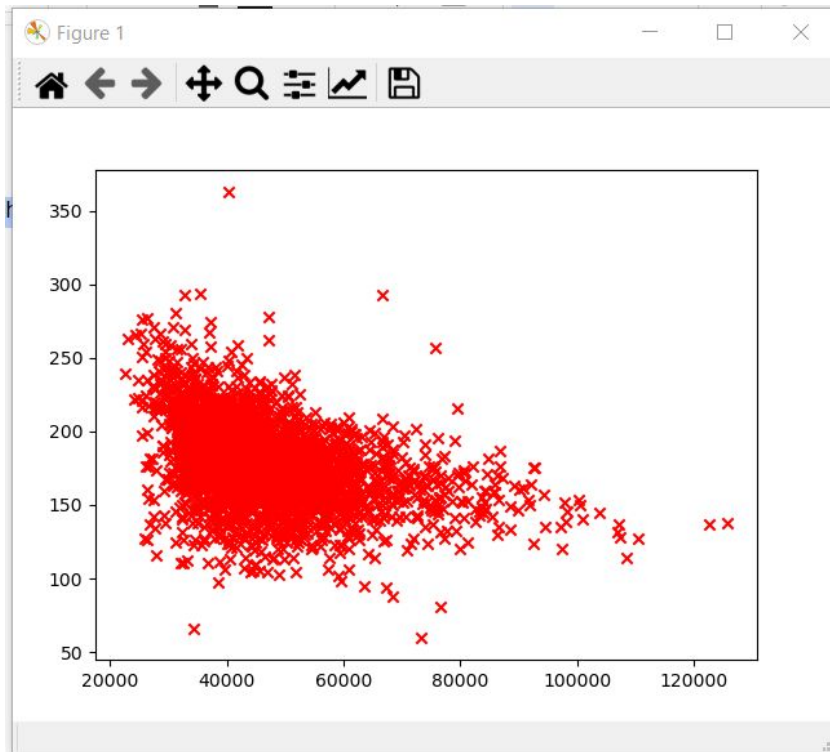**Plot the Data**

Take a screenshot of the scatter plot and place it below

1) Is this a good candidate for linear regression? Can you draw a line through the data?

This is an okay candidate for linear regression(can be argued either way). While the graph appears to have a large Y-value variance, in retrospect of the X-value the variance appears adequate enough to be used in linear regression. There can also be a line of best fit drawn through the data. In other words this is a good real life example.

2) Where do you think the y intercept will be?
I think the Y intercept will be at 225-175.

3) What do you think the slope will be?
I think the slope will be about -50 / 60,000

Analyze your Cost Graph
1) Awesome! - what were the ending weights?
[[224.56424216], [-9.76032792]]

2) Can you use these weights to predict values given an income?
Yes, I can use these weights in the equation y = mx + b where m = w[1] and b = w[0] to predict values given an income.

3) In your own words what was the correlation (use some example data, don't just use words)

In general, the correlation between the median income and target deathreat was negative. For example, a median income of 61,898 had a target death rate of 164.9, while a median income of 80,650 had a target death rate of 173.8. Indicating a decrease in target death rate with increase in median income.