Chart

Description automatically generated

Chart

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Graphical user interface

Description automatically generated with medium confidence

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Graphical user interface, chart

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Description automatically generated with medium confidenceGraphical user interface

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Description automatically generated with medium confidence

Selling to more customers has a higher payoff. The top left picture shows the initial total profit from the current situation, where the total profit is $28,949. The top right shows a total profit of $39,542 when you sell a couple more cars (between 4-11). The bottom left shows that the total price when the average sale with same stdev is increased to only $33,025. The bottom left shows the approximate price you would have to increase to in order to make the same profit as selling a few more cars. Because of this data, we have concluded that it would be better to sell a few more cars than increase the average price.