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IMT 574

Assignment 2

Problem 1:

Part A:

Model:

Number of Customers Served = -8926.3209 + (193.6986)*X1 + (-346.4446)*X2

Predicted Value:

-8926.3209 + (193.6986)*(200) + (-346.4446)*(7.2)

-8926.3209 + 38,739.72 + (-2,494.0112)

Estimated Number of Customers Served: 27,319 customers

Part B:

Model:

Total Assets = -174.1472 + (4.8859)*X1

Predicted Value:

Total Assets = -174.1472 + (4.8859)*(20,300)

Total Estimated Assets: $99,000,000

Problem 2:

The optimal intercept is 46.45.