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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.