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CONVERGENCE REPORT

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Alpha N\_iter J

0.001 100 235.866938

0.001 1000 47.823748

0.001 10000 11.082838

0.01 100 47.497925

0.01 1000 11.082709

0.01 10000 10.947417

0.1 100 11.081423

0.1 1000 10.947417

0.1 10000 10.947416

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COST FUNCTION VALUE

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Cost function value for Linear Regression J\_lr = 10.947512

Cost function value for Normal Equation J\_ne = 12.0830

Difference in cost function value = 1.135488

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PRICE PREDICTION

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Predicted price for first case is $28.490781

Predicted price for second case is $37.493943

Predicted price for third case is $23.924730