Report Assignment 1

Ques - Are you satisfied that the package has found the best solution. How can you check. Explain.

Ans) Since the value of RMSE is decreasing with increasing number of iterations we can say that the model is trying to predict the actual value more closely. After several iterations, the value of RMSE becomes constant which indicates that the model predicts value closest to the actual value.

R2 score is about 0.3 which indicates that the model is moderately fit to train data.

As seen from the graph between cost function and number of iterations, we see that the cost is reducing as the epochs increase.