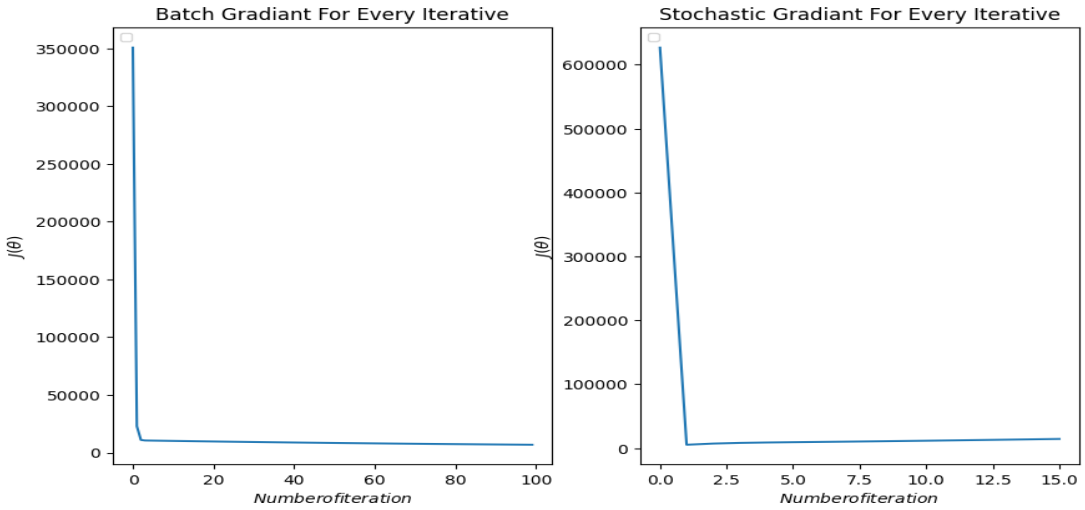
Name: Udom Phay

1. Task 1
   1.1. I ran all the methods and have graphed Batch and Sochastic gradient for each iterations.



   1.2. MSE of all batch/sochastic gradient and normal equation. Alpha for all test are .001.
   MSE Batch Gradient = 0.008273670892555679
   MSE Sochastic Gradient = 0.01741907456955815
   MSE Normal Equation = 0.06995673336939738
2. Task 2
   2.1. I removed the first feature and then normalized the data. Below is the result:
   MSE Batch Gradient: 0.03478644177798839
   MSE Sochastic Gradient: 0.006116432979493957
   2.2. Normalizing the data seems to have lowered/improved the MSE value. I think it removed the intersect constant for the hypothesis, the intersect at theta 0.
3. Task 3
   3.1. I set the datum to 0.856, and the bandwidth to the average of the testing output. This is the MSE LWR Sochastic Gradient: 0.037666203222007706