

GNR652 ML Homework 1

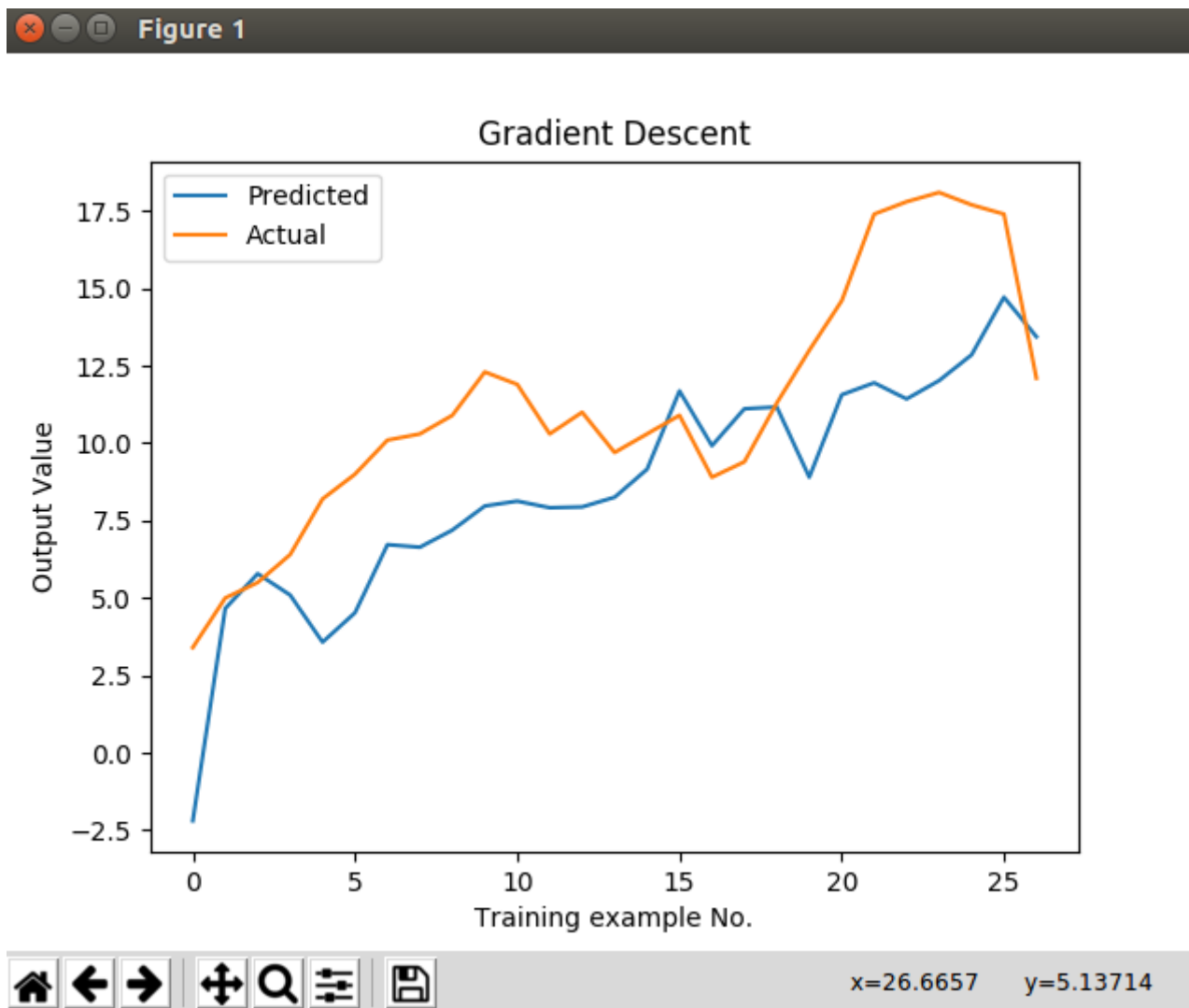
Use the data file included in the submitted compressed file as the data file was edited to correct an error

Method 1:

Gradient Descent

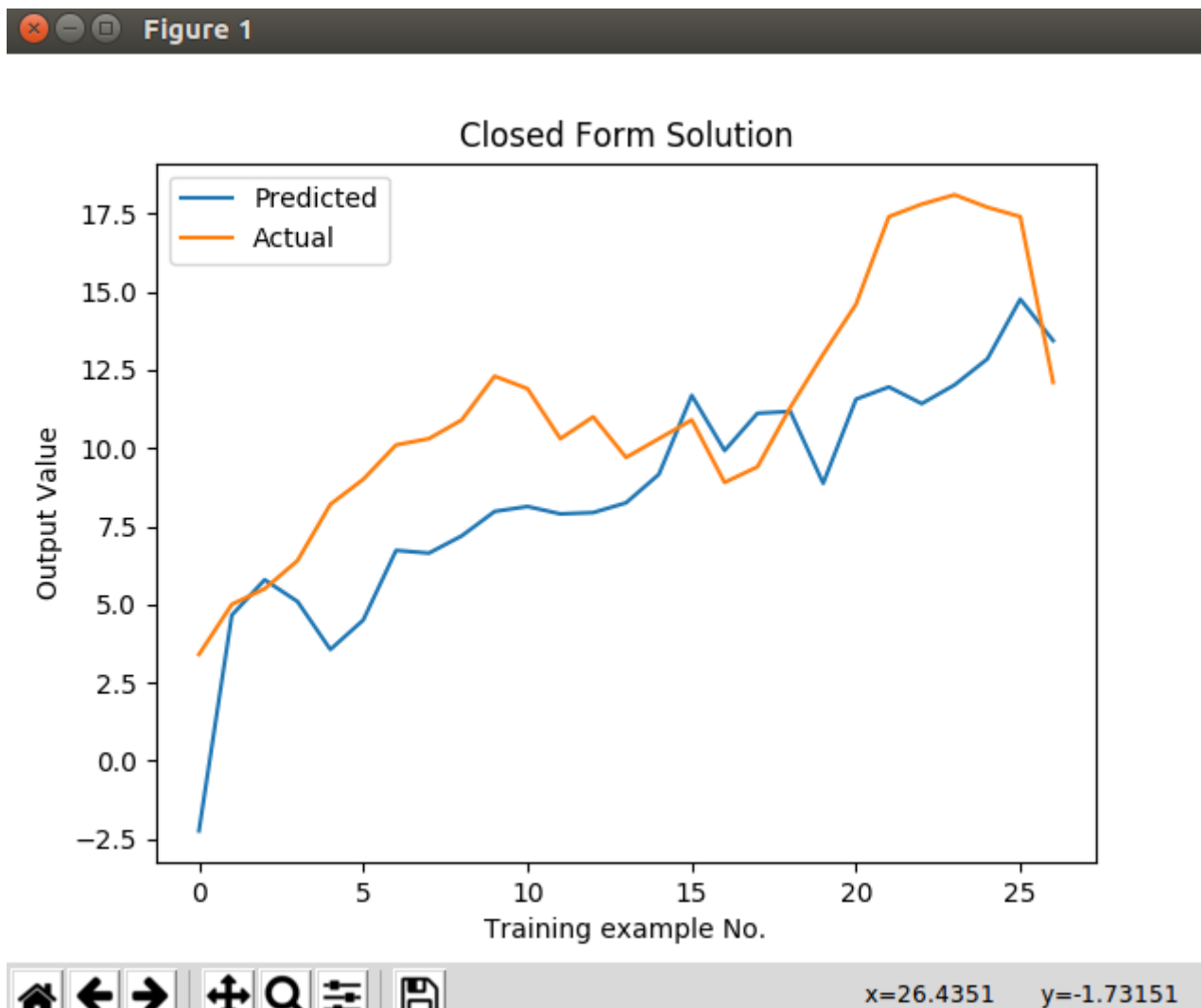
Mean Square Error: 3.5218660616774415

Output Plot for comparison of predicted and actual values of 20% data



Method 2:
Closed Form Solution
Mean Square Error:3.5276378978699934

Output Plot for comparison of predicted and actual values of 20% data



Method 3:
Probabilistic Approach for Maximum Likelihood Estimation

Mean Square Error: 3.5322207698632577

Output Plot for comparison of predicted and actual values of 20% data

