Assignment Rubric: Data Science Lab 8 Gradient Descent

| Question Number | Total Points | Deductions: |
|---|---|---|
| 1(a) | 5 | -1.667: They don't have the correct partial derivative for $\theta_0$<br><br>-1.667: They don't have the correct partial derivative for $\theta_1$:<br><br>-1.667: They don't implement it into the code correctly |
| 2 | 5 | -1.25: Correct implementation of the predict function<br><br>-1.25: Correct implementation of the sum_mean_squared_error function<br><br>-1.25: Correct implementation of the calculate_loss function<br><br>-1.25: They don't explain what the code is doing. |
| 3 | 5 | -1 They don't explain what the step function is doing.<br><br>-1 They don't implement the train_model function correctly<br><br>-1 They don't plot the models after 5, 100, 1,000, and 10,000 epochs (Take off one point per plot not plotted).<br><br>-1 They don't plot the loss values with respect to epochs using a line graph. |
| 4 | 5 | -5 They don't answer/discuss the things they learned in the model fitting process. |

Total Points: 20