Implementing logistic regression from scratch

9/9 points earned (100%)

Quiz passed!

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1 / 1 points

1.

Are you using GraphLab Create? Please make sure that

1. You are using version 1.8.3 of GraphLab Create. Verify the version of GraphLab Create by running

```
graphlab.version
```

inside the notebook. If your GraphLab version is incorrect, see this post (https://www.coursera.org/learn/ml-classification/supplement/LgZ3I/installing-correct-version-of-graphlab-create) to install version 1.8.3. **This assignment is not guaranteed to work with other versions of GraphLab Create.**

2. You are using the IPython notebook named module-3-linear-classifier-learning-assignment-blank.ipynb obtained from the associated reading.

This question is ungraded. Check one of the three options to confirm.

1 / 1 points

2.
How many reviews in **amazon_baby_subset.gl** contain the word **perfect**?

1 / 1 points

3.
Consider the **feature_matrix** that was obtained by converting our data to NumPy format.

How many features are there in the **feature_matrix**?

1 / 1 points

4.
Assuming that the intercept is present, how does the number of features in **feature_matrix** relate to the number of features in the logistic regression model? Let x = [number of features in feature_matrix] and y = [number of features in logistic regression model].

1 / 1 points

5.
Run your logistic regression solver with provided parameters.

As each iteration of gradient ascent passes, does the log-likelihood increase or decrease?

1 / 1

points

We make predictions using the weights just learned.

6. How many reviews were predicted to have positive sentiment?

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1 / 1
points

7.
What is the accuracy of the model on predictions made above? (round to 2 digits of accuracy)

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1 / 1
points

8.
We look at "most positive" words, the words that correspond most strongly with positive reviews.

Which of the following words is **not** present in the top 10 "most positive" words?

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1 / 1
points

9.
Similarly, we look at "most negative" words, the words that correspond most strongly with negative reviews.

Which of the following words is **not** present in the top 10 "most negative" words?