1. How many reviews in amazon_baby_subset.gl contain the word perfect? 1 point

2955

2. Consider the feature_matrix that was obtained by converting our data to NumPy format.
How many features are there in the feature_matrix? 1 point

194

3. 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 point

- y = x - 1
- (•) y = x
- y = x + 1
- None of the above

4. Run your logistic regression solver with provided parameters. 1 point

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

- (•) It increases.
- It decreases.
- None of the above

5. We make predictions using the weights just learned. 1 point

How many reviews were predicted to have positive sentiment?

25126

6. What is the accuracy of the model on predictions made above? (round to 2 digits of accuracy) 1 point

0.75

7. We look at "most positive" words, the words that correspond most strongly with positive reviews. 1 point
Which of the following words is not present in the top 10 "most positive" words?

- ○ love
- ○ easy
- ○ great
- ○ perfect
- ◉ cheap

8. Similarly, we look at "most negative" words, the words that correspond most strongly with negative reviews. 1 point
Which of the following words is not present in the top 10 "most negative" words?

- ◉ need
- ○ work
- ○ disappointed
- ○ even
- ○ return