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

> 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**?

> 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].

- ○ y = x - 1
- ● y = x
- ○ y = x + 1
- ○ None of the above

4. Run your logistic regression solver with provided parameters.

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.

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)

> 0.75

7. 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?

- ○ love
- ○ easy
- ○ great
- ○ perfect
- ● cheap

8. 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?

- ● need
- ○ work
- ○ disappointed
- ○ even
- ○ return

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