Predicting sentiment from product reviews

13 questions

1 point

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 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-2-linear-classifier-assignment-blank.ipynb obtained from the associated reading.

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

- (●) I confirm that I am using the right version of GraphLab Create and the right IPython notebook.
- ( ) I am using scikit-learn.
- ( ) I am using tools other than GraphLab or scikit-learn, and I understand that I may not be able to complete some of the quiz questions.

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1 point

2. How many weights are greater than or equal to 0?

68419

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1 point

3. Of the three data points in sample_test_data, which one has the lowest probability of being classified as a positive review?

- ( ) First
- ( ) Second
- (●) Third

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1 point

4. Which of the following products are represented in the 20 most positive reviews?

- [ ] Snuza Portable Baby Movement Monitor
- [ ] MamaDoo Kids Foldable Play Yard Mattress Topper, Blue
- [■] Britax Decathlon Convertible Car Seat, Tiffany
- [ ] Safety 1st Exchangeable Tip 3 in 1 Thermometer

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1 point

5. Which of the following products are represented in the 20 most negative reviews?

- [■] The First Years True Choice P400 Premium Digital Monitor, 2 Parent Unit
- [ ] JP Lizzy Chocolate Ice Classic Tote Set
- [■] Peg-Perego Tatamia High Chair, White Latte
- [■] Safety 1st High-Def Digital Monitor

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1 point

6. What is the accuracy of the sentiment_model on the test_data? Round your answer to 2 decimal places (e.g. 0.76).

0.91

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1 point

7. Does a higher accuracy value on the training_data always imply that the classifier is better?

- ( ) Yes, higher accuracy on training data always implies that the classifier is better.
- (●) No, higher accuracy on training data does not necessarily imply that the classifier is better.

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1 point

8. Consider the coefficients of simple_model. There should be 21 of them, an intercept term + one for each word in significant_words.

How many of the 20 coefficients (corresponding to the 20 significant_words and excluding the intercept term) are positive for the simple_model?

10

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1 point

9. Are the positive words in the simple_model also positive words in the sentiment_model?

- (●) Yes
- ( ) No

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1 point

10. Which model (sentiment_model or simple_model) has higher accuracy on the TRAINING set?

- (●) Sentiment_model
- ( ) Simple_model

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1 point

11. Which model (sentiment_model or simple_model) has higher accuracy on the TEST set?

- (●) Sentiment_model
- ( ) Simple_model

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1 point

12. Enter the accuracy of the majority class classifier model on the test_data. Round your answer to two decimal places (e.g. 0.76).

0.84

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1 point

13. Is the sentiment_model definitely better than the majority class classifier (the baseline)?

- (●) Yes
- ( ) No

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