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.

1 point

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

68419

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

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

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

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

1 point

9.

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

- ○ Yes
- ● No

1 point

10.

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

- ○ Sentiment_model
- ● Simple_model

1 point

11.

Which model (sentiment_model or simple_model) has higher accuracy on

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

- ○ Sentiment_model
- ● Simple_model

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

1 point

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

- ○ Yes
- ● No

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