Predicting sentiment from product reviews

12 questions

1.
How many weights are greater than or equal to 0?

68419

2.
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

3.
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

4.

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

5.

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

6.

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.

7.

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

8.

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

- ○ Yes
- ● No

9.

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

- ○ Sentiment_model
- ● Simple_model

10.

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

- ○ Sentiment_model
- ● Simple_model

11.

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

0.99

12.

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

- ○ Yes
- ● No

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