

## Predicting sentiment from product reviews

12 questions

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

86826

- 1 point
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

- 1 point
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

- 1 point
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

- 1 point
5. What is the accuracy of the sentiment\_model on the test\_data? Round your answer to 2 decimal places (e.g. 0.76).

0.93

- 1 point
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.

- 1 point
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

- 1 point
8. Are the positive words in the simple\_model also positive words in the sentiment\_model?

- Yes  
 No

- 1 point
9. Which model (sentiment\_model or simple\_model) has higher accuracy on the TRAINING set?

- Sentiment\_model  
 Simple\_model

- 1 point
10. Which model (sentiment\_model or simple\_model) has higher accuracy on the TEST set?

- Sentiment\_model  
 Simple\_model

- 1 point
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).

0/84

- 1 point
12. Is the sentiment\_model definitely better than the majority class classifier (the baseline)?

- Yes  
 No

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