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

86827

2. Of the three data points in sample_test_data, which one has the lowest probability of being classified as a positive review? — 1 point

- ○ First
- ○ Second
- ◉ Third

3. Which of the following products are represented in the 20 most positive reviews? — 1 point

- ☑ 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? — 1 point

- ☑ 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). — 1 point

0.93

6. Does a higher accuracy value on the training_data always imply that the classifier is better? 1 point

- (●) 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? 1 point

10

8. Are the positive words in the simple_model also positive words in the sentiment_model? 1 point

- (●) Yes
- ( ) No

9. Which model (sentiment_model or simple_model) has higher accuracy on the TRAINING set? 1 point

- (●) Sentiment_model
- ( ) Simple_model

10. Which model (sentiment_model or simple_model) has higher accuracy on the TEST set? 1 point

- (●) 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). 1 point

0.84

12. Is the sentiment_model definitely better than the majority class classifier (the baseline)? 1 point

- (●) Yes
- ( ) No