

1 point

1. Out of the 11 words in *selected\_words*, which one is most used in the reviews in the dataset?
- ☐ awesome
  - ☐ love
  - ☐ hate
  - ☐ bad
  - ☒ great

1 point

2. Out of the 11 words in *selected\_words*, which one is least used in the reviews in the dataset?
- ☒ wow
  - ☐ amazing
  - ☐ terrible
  - ☐ awful
  - ☐ love

1 point

3. Out of the 11 words in *selected\_words*, which one got the most positive weight in the *selected\_words\_model*?
- (Tip: when printing the list of coefficients, make sure to use `print_rows(rows=12)` to print ALL coefficients.)
- ☐ amazing
  - ☐ awesome
  - ☒ love
  - ☐ fantastic
  - ☐ terrible

1 point

4. Out of the 11 words in *selected\_words*, which one got the most negative weight in the *selected\_words\_model*?
- (Tip: when printing the list of coefficients, make sure to use `print_rows(rows=12)` to print ALL coefficients.)
- ☐ horrible
  - ☒ terrible
  - ☐ awful
  - ☐ hate
  - ☐ love

1 point

5. Which of the following ranges contains the accuracy of the *selected\_words\_model* on the *test\_data*?
- ☐ 0.811 to 0.841
  - ☒ 0.841 to 0.871
  - ☐ 0.871 to 0.901
  - ☐ 0.901 to 0.931

1 point

6. Which of the following ranges contains the accuracy of the *sentiment\_model* in the IPython Notebook from lecture on the *test\_data*?
- ☐ 0.811 to 0.841
  - ☐ 0.841 to 0.871
  - ☐ 0.871 to 0.901
  - ☒ 0.901 to 0.931

1 point

7. Which of the following ranges contains the accuracy of the majority class classifier, which simply predicts the majority class on the *test\_data*?
- ☒ 0.811 to 0.843
  - ☐ 0.843 to 0.871
  - ☐ 0.871 to 0.901
  - ☐ 0.901 to 0.931

1 point

8. How do you compare the different learned models with the baseline approach where we are just predicting the majority class?
- ☐ They all performed about the same.
  - ☐ The model learned using all words performed *much better* than the one using the only the *selected\_words*. And, the model learned using the *selected\_words* performed much better than just predicting the majority class.
  - ☒ The model learned using all words performed much better than the other two. The other two approaches performed about the same.
  - ☐ Predicting the simply majority class performed much better than the other two models.

1 point

9. Which of the following ranges contains the '*predicted\_sentiment*' for the most positive review for '*Baby Trend Diaper Champ*', according to the *sentiment\_model* from the IPython Notebook from lecture?
- ☐ Below 0.7
  - ☐ 0.7 to 0.8
  - ☐ 0.8 to 0.9
  - ☒ 0.9 to 1.0

1 point

10. Consider the most positive review for '*Baby Trend Diaper Champ*' according to the *sentiment\_model* from the IPython Notebook from lecture. Which of the following ranges contains the *predicted\_sentiment* for this review, if we use the *selected\_words\_model* to analyze it?
- ☐ Below 0.7
  - ☒ 0.7 to 0.8
  - ☐ 0.8 to 0.9
  - ☐ 0.9 to 1.0

1 point

11. Why is the value of the *predicted\_sentiment* for the most positive review found using the *sentiment\_model* much more positive than the value predicted using the *selected\_words\_model*?
- ☐ The *sentiment\_model* is just too positive about everything.
  - ☐ The *selected\_words\_model* is just too negative about everything.
  - ☐ This review was positive, but used too many of the negative words in *selected\_words*.
  - ☒ None of the *selected\_words* appeared in the text of this review.

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