1. **Out of the 11 words in *selected_words*, which one is most used in the reviews in the dataset?** **1 point**

- [ ] **awesome**
- [ ] **love**
- [ ] **hate**
- [ ] **bad**
- [x] **great**

2. **Out of the 11 words in *selected_words*, which one is least used in the reviews in the dataset?** **1 point**

- [x] **wow**
- [ ] **amazing**
- [ ] **terrible**
- [ ] **awful**
- [ ] **love**

3. **Out of the 11 words in *selected_words*, which one got the most positive weight in the *selected_words_model*?** **1 point**

(Tip: when printing the list of coefficients, make sure to use print_rows(rows=12) to print ALL coefficients.)

- ○ **amazing**
- ○ **awesome**
- ◉ **love**
- ○ **fantastic**
- ○ **terrible**

4. **Out of the 11 words in *selected_words*, which one got the most negative weight in the *selected_words_model*?** **1 point**

(Tip: when printing the list of coefficients, make sure to use print_rows(rows=12) to print ALL coefficients.)

- ○ **horrible**
- ◉ **terrible**
- ○ **awful**
- ○ **hate**
- ○ **love**

5. **Which of the following ranges contains the accuracy of the *selected_words_model* on the *test_data*?** **1 point**

- ○ **0.811 to 0.841**
- ◉ **0.841 to 0.871**
- ○ **0.871 to 0.901**
- ○ **0.901 to 0.931**

6. **Which of the following ranges contains the accuracy of the *sentiment_model* in the IPython Notebook from lecture on the *test_data*?** **1 point**

- ○ **0.811 to 0.841**
- ○ **0.841 to 0.871**
- ○ **0.871 to 0.901**
- ◉ **0.901 to 0.931**

7. **Which of the following ranges contains the accuracy of the majority class classifier, which simply predicts the majority class on the *test_data?*** **1 point**

- ◉ **0.811 to 0.843**
- ○ **0.843 to 0.871**
- ○ **0.871 to 0.901**
- ○ **0.901 to 0.931**

8. **How do you compare the different learned models with the baseline approach where we are just predicting the majority class?** **1 point**

- ○ 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.

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?** **1 point**

- ○ Below 0.7
- ○ 0.7 to 0.8
- ○ 0.8 to 0.9
- ◉ 0.9 to 1.0

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?** **1 point**

- ○ Below 0.7

- (●) **0.7 to 0.8**
- ( ) **0.8 to 0.9**
- ( ) **0.9 to 1.0**

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*? **1 point**

- ( ) **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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