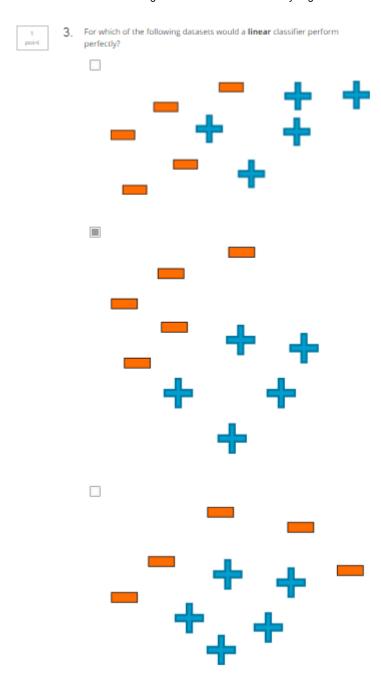
## **Quiz - Classification**

1 point	1.	The simple threshold classifier for sentiment analysis described in the video (check all that apply):		
		Must have pre-defined positive and negative attributes		
		Must either count attributes equally or pre-define weights on attributes		
		Defines a possibly non-linear decision boundary		
1 point	2.	For a linear classifier classifying between "positive" and "negative" sentiment in a review x, Score(x) = 0 implies (check all that apply):		
		The review is very clearly "negative"		
		We are uncertain whether the review is "positive" or "negative"		
		We need to retrain our classifier because an error has occurred		



1 point	4.	True or false: High classification accuracy always indicates a good classifier.  True  False
1 point	5.	True or false: For a classifier classifying between 5 classes, there always exists a classifier with accuracy greater than 0.18.  True False
1 point	6.	True or false: A false negative is always worse than a false positive.  True  False
1 point	7.	Which of the following statements are true? (Check all that apply)  Test error tends to decrease with more training data until a point, and then does not change (i.e., curve flattens out)  Test error always goes to 0 with an unboundedly large training dataset  Test error is never a function of the amount of training data

## **Assignment - Analyzing Product Sentiment**

## ← Analyzing product sentiment

Quiz, 11 questions

1 point	1.	Out of the 11 words in <i>selected_words</i> , which one is most used in the reviews in the dataset?	
		awesome	
		Olove	
		hate	
		bad	
		great	
1 point	2.	Out of the 11 words in <i>selected_words</i> , which one is least used in the reviews in the dataset?	
		wow	
		amazing	
		terrible	
		awful	
		Olove	
1 point	3.	Out of the 11 words in <i>selected_words</i> , which one got the most positive weight in the <i>selected_words_model</i> ?	
		(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 <i>selected_words</i> , which one got the most negative weight in the <i>selected_words_model</i> ?	
		(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 <code>sentiment_model</code> in the IPython Notebook from lecture on the <code>test_data</code> ?	
		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 <code>test_data?</code> 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	the se	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	found	s the value of the <i>predicted_sentiment</i> for the most positive review using the <i>sentiment_model</i> much more positive than the value ted using the <i>selected_words_model</i> ?		
		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.