

1. While doing sentiment classification using Naïve Bayes, how to deal with words that occur in test set but (i) don't occur in training set associated with all the classes but just one class and (ii) don't occur in training set at all?
2. To what sentiment/class the test sample belongs to using Naïve Bayes classifier?

	Cat	Documents
Training	-	just plain boring
	-	entirely predictable and lacks energy
	-	no surprises and very few laughs
	+	very powerful
	+	the most fun film of the summer
Test	?	predictable with no fun

3. Doing sentiment classification using Naïve Bayes, discuss improvements of clipping word counts (Binary Naïve Bayes) and dealing with negation.
4. Describe paired bootstrap statistical significance testing.