SVM for image features + (5000) words = 88.27%

SVM for image features + 247 words (feature selection) = 87.51%

247 words can capture 87.51% and the remaining 4500 contributes less than 1%

what does this indicate? (Does this mean we are overfitting?)

**Idea behind using ensemble methods:**

Existing data is able to capture 88.27% accuracy.

Ideal way to improve this - use other feature blocks to capture information that the existing model is not.

Block stepwise regression does this – greedily choose features in all feature blocks

**Step1**: first use your most important feature block. (like words) do classification.

**Step2**: build a model using other features - make this model weigh the features high that your first model didn't capture

**Step3**: Repeat (for all feature blocks)