

[104	<pre>tf[w] += 1 #compute tf-idf for the document (using idf we alr calc) tfidf = {word: tf[word] * idf.get(word, 0) for word in tf} vector = [tfidf.get(word, 0) for word in uni_tokens] X.append(vector) y = [d['label'] for d in dataset] #perform stratified train/test split X_train, X_test, y_train, y_test = train_test_split(</pre>
106	<pre>selector = VarianceThreshold(threshold=0.0) X_train = selector.fit_transform(X_train) X_test = selector.transform(X_test) #roughly 1500 columns were dropped which should save on computational time/cost svm = SVC(kernel = 'linear', random_state = 3) svm.fit(X_train, y_train)</pre>
	<pre>y_pred = svm.predict(X_test) accuracy = accuracy_score(y_test, y_pred) print(f"Model Accuracy: {accuracy:.4f}") Model Accuracy: 0.8177</pre>