1) Missing Code positive_class = x[np.where(y.reshape(1, -1).reshape(-1) == 0)] negative_class = x[np.where(y.reshape(1, -1).reshape(-1) == 1)] positive_sum = [np.sum(positive_class, axis=0), np.sum(np.sum(positive_class, axis=0))]

negative_sum = [np.sum(positive_class, axis=0), np.sum(np.sum(positive_class, axis=0))]

 $likelihood = np.array([[(positve_sum[0][i] + 1) / (positve_sum[1] + n_words), (negative_sum[0][i] + 1) / (negative_sum[1] + n_words)])$

 $prior = [positive_class.shape[0] \ / \ n_docs, negative_class.shape[0] \ / \ n_docs]$

2) Modify Result

Accuracy on training set: 0.980000, on test set: 0.811000