**Homework 8**

The corpus contains 180 documents of movie reviews written by two reviewers. Each document is a review on one movie written by one reviewer. The first 80 reviews were written by Berardinelli and the rest 100 were by Schwartz.

Please conduct necessary preprocessing on text, and then solve the following problems.

**Problem 1**

Apply LDA topic modeling approach on the entire corpus and extract k = 10 topics. List the top 10 words for each topic.

**Problem 2**

List the topic coverage probabilities for each document in this corpus.