Text Mining Lab 1 – Sentiment Analysis

Use this lab time to gain experience with text mining techniques in R / Python. ULTIMATE GOAL: Use text mining strategies to identify the sentiment in texts from one or more datasets.

Datasets

Macbeth.csv
bathroom_bestwestern_hotel_sfo.txt.data
fonts_amazon_kindle.txt.data

Problem Description

Each of the datasets listed above has text that could express a particular sentiment. Use the different sentiment analysis lexicons to assign a sentiment label to the text data in the dataset.

1. Load the data and **explore** its characteristics.

2. Prepare and transform the data so that it is suitable for sentiment analysis.

3. Select two more sentiment analysis lexicons and carry out sentiment analysis on the text data.

4. Validate your results and compare the results across each of the lexicons you have used. Do you consider one result to be preferable to another?