

CS 6350

ASSIGNMENT 2

Names of students in your group:

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Number of free late days used: 0

Note: You are allowed a **total** of 4 free late days for the **entire semester**. You can use at most 2 for each assignment. After that, there will be a penalty of 10% for each late day.

Please list clearly all the sources/references that you have used in this assignment.

1. [Naive Bayes, Text Classification, and Sentiment](#)
2. [Natural Language Processing\(Part 17\)-Laplacian Smoothing](#)

Solution:

Part 1:

Solution Link: <https://databricks-prod-cloudfront.cloud.databricks.com/public/4027ec902e239c93eaaa8714f173bcfc/3380253459312739/4478292658001737/8088637324675909/latest.html>

Part 2:

Solution Link: <https://databricks-prod-cloudfront.cloud.databricks.com/public/4027ec902e239c93eaaa8714f173bcfc/3380253459312739/161730108111329/8088637324675909/latest.html>

Attached in submission:

1. *Notebooks for part-1 and part-2(in case there is some issue with above links)*
2. *PDF file for detailed algorithm for part 1*
3. *PDF file for algorithm and results for part 2*
4. *CSV file containing results for part 1*
5. *Dataset: [IMDB Dataset of 50K Movie Reviews](#)*
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