DAT565/DIT407 Assignment 3

Ola Bratt ola.bratt@gmail.com

Patrick Attimont patrickattimont@gmail.com

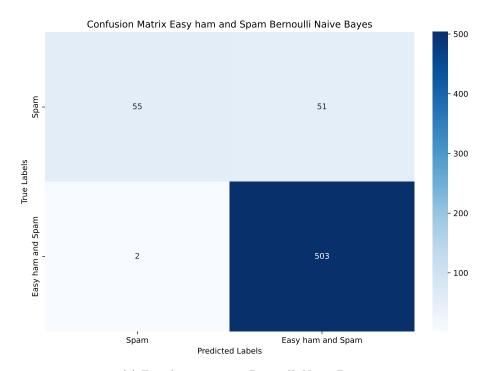
2024-02-xx

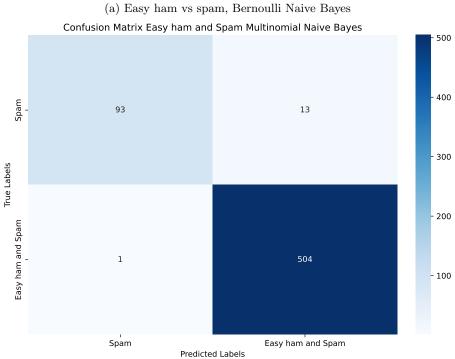
This paper is addressing the assignment 3 study queries within the *Introduction to Data Science* \mathcal{E} AI course, DIT407 at the University of Gothenburg and DAT565 at Chalmers. The main source of information for this project is derived from the lectures and Skiena [1].

Problem 1: Spam and Ham

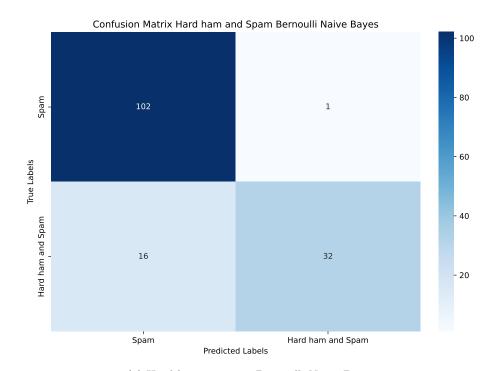
Problem 2: Preprocessing

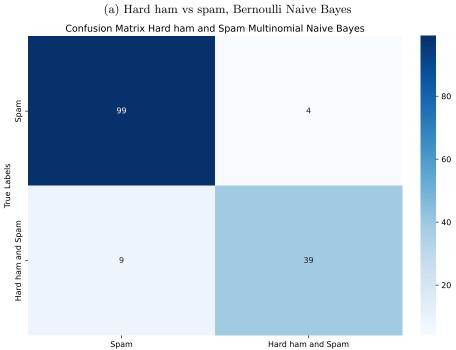
Problem 3: Easy Ham





Problem 3: Hard Ham





(b) Hard ham vs spam, Multinomial Naive Bayes

Predicted Labels

References

[1] Steven S Skiena. The Data Science Design Manual. Retrieved 2024-01-20. 2024. URL: https://ebookcentral.proquest.com/lib/gu/detail.action?docID=6312797.

Appendix: Source Code