

Group 3: Naïve Bayes

(Sharif, Derek, Will, and Phil)

Appendix:

- 1) [Machine Learning Tutorial Python: Naive Bayes Classifier Algorithm Part 1 - YouTube](https://www.youtube.com/watch?v=PPeaRc-r1OI)
(<https://www.youtube.com/watch?v=PPeaRc-r1OI>)
- 2) [Naive Bayes classifier: A friendly approach - YouTube](https://www.youtube.com/watch?v=Q8l0Vip5YUw)
(<https://www.youtube.com/watch?v=Q8l0Vip5YUw>)
- 3) [Naive Bayes Classifier - Machine Learning | Simplilearn](https://www.simplilearn.com/tutorials/machine-learning-tutorial/naive-bayes-classifier)
(<https://www.simplilearn.com/tutorials/machine-learning-tutorial/naive-bayes-classifier>)
- 4) [Naive Bayes classifier - Wikipedia](https://en.wikipedia.org/wiki/Naive_Bayes_classifier)
(https://en.wikipedia.org/wiki/Naive_Bayes_classifier)
- 5) [Naive Bayes — scikit-learn 1.0.2 documentation](https://scikit-learn.org/stable/modules/naive_bayes.html)
(https://scikit-learn.org/stable/modules/naive_bayes.html)
- 6) [The Optimality of Naive Bayes](https://www.cs.unb.ca/~hzhang/publications/FLAIRS04ZhangH.pdf)
(<https://www.cs.unb.ca/~hzhang/publications/FLAIRS04ZhangH.pdf>)
- 7) [Naive Bayes Explained | by Zixuan Zhang | Towards Data Science](https://towardsdatascience.com/naive-bayes-explained-9d2b96f4a9c0)
(<https://towardsdatascience.com/naive-bayes-explained-9d2b96f4a9c0>)
- 8) [Naive Bayes with Hyperparameter Tuning | Kaggle](https://www.kaggle.com/code/akshaysharma001/naive-bayes-with-hyperparameter-tuning/notebook)
(<https://www.kaggle.com/code/akshaysharma001/naive-bayes-with-hyperparameter-tuning/notebook>)
- 9) [Understanding Naive Bayes Classifier | by Tarun Gupta | Towards Data Science](https://towardsdatascience.com/understanding-naive-bayes-classifier-46385aca47ec)
(<https://towardsdatascience.com/understanding-naive-bayes-classifier-46385aca47ec>)
- 10) [Text Classification Using Naive Bayes | by Serafeim Loukas | Towards Data Science](https://towardsdatascience.com/text-classification-using-naive-bayes-theory-a-working-example-2ef4b7eb7d5a)
(<https://towardsdatascience.com/text-classification-using-naive-bayes-theory-a-working-example-2ef4b7eb7d5a>)
- 11) [A Gentle Introduction to Bayes Theorem for Machine Learning \(machinelearningmastery.com\)](https://machinelearningmastery.com/bayes-theorem-for-machine-learning/)
(<https://machinelearningmastery.com/bayes-theorem-for-machine-learning/>)
- 12) [Naive Bayes Classifiers - GeeksforGeeks](https://www.geeksforgeeks.org/naive-bayes-classifiers/)
(<https://www.geeksforgeeks.org/naive-bayes-classifiers/>)

