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Final Project Assessment

Note: In some portions of this write up, I’ll use the phrase “thus far”. The reason here is that I intend to continue working on the project after the deadline and after this class is over because I’m having a really good time with the modeling and I feel like I’m really solidifying my understanding of the models. **As it stands for the official assignment, my project is good to go. I do not intend for me saying “thus far” to indicate potential incomplete or late work, just that I plan to continue developing this on my own time.**

Learning Goals

Develop an applied knowledge of traditional and computationally intensive statistical models

While this assignment was likely intended to target the other two learning goals of this course, I do think that I achieved this learning goal as well. Thus far, I have implemented linear discriminant analysis to predict both the species and the island of origin of the penguins based on the four numerical measurements, and I have also implemented quadratic discriminant analysis, Naïve Bayes, and k-nearest neighbors methods to predict the island of origin for the penguins. I