
EE4014A: Mini Project

Proposal

Team member(s)

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Project description

For my project I will design a neural network that can determine a wine's origin by analyzing its chemical attributes. The data set contains chemical attributes (such as alcohol percentage, color, flavonoids and so on) of wines from three different Italian region. In total there are 178 samples, each with 13 attributes. Data set: <https://archive.ics.uci.edu/ml/datasets/Wine>

As I have chosen to do this project alone, I hope to learn quite a lot about the fundamentals of AI. As of now I am not sure about how I will solve this challenge, but I will much rely on content from the lectures, as well as web resources such as youtube and stack overflow.

As this type of neural network is relatively simple, I am hoping that the design and coding of the system will not demand too much time, so that I am able to spend more time on analyzing the results and improve the system later on.