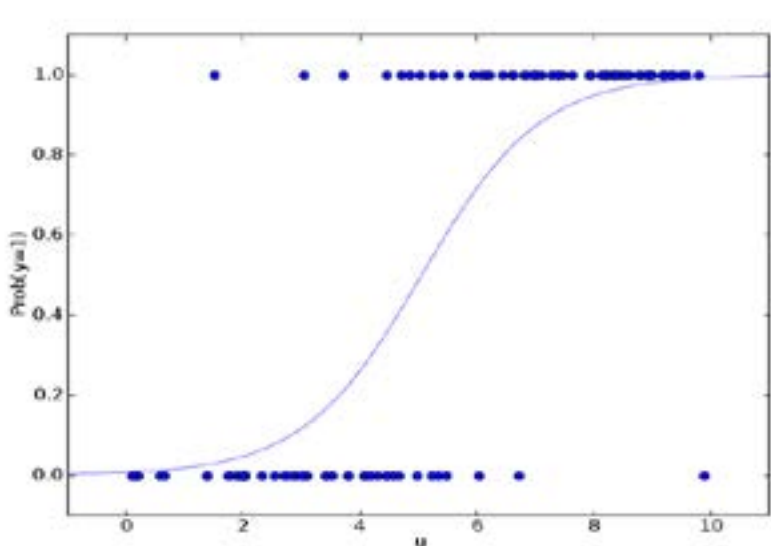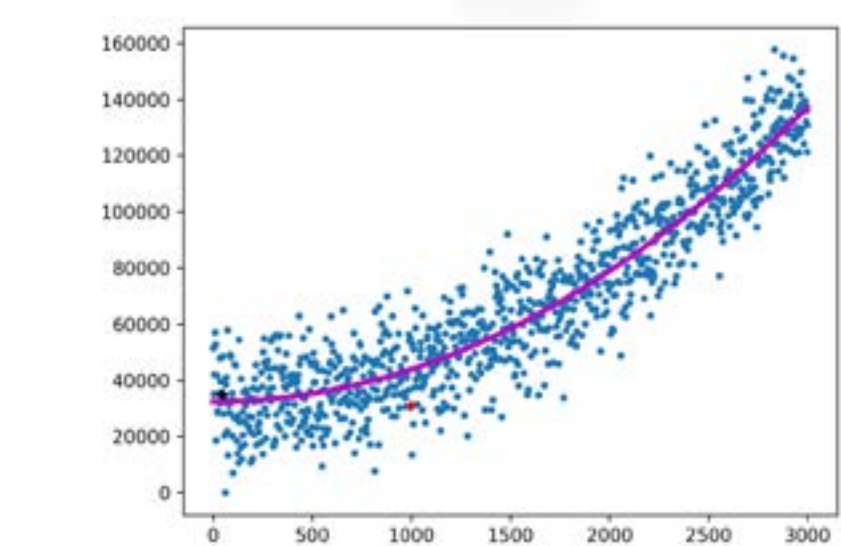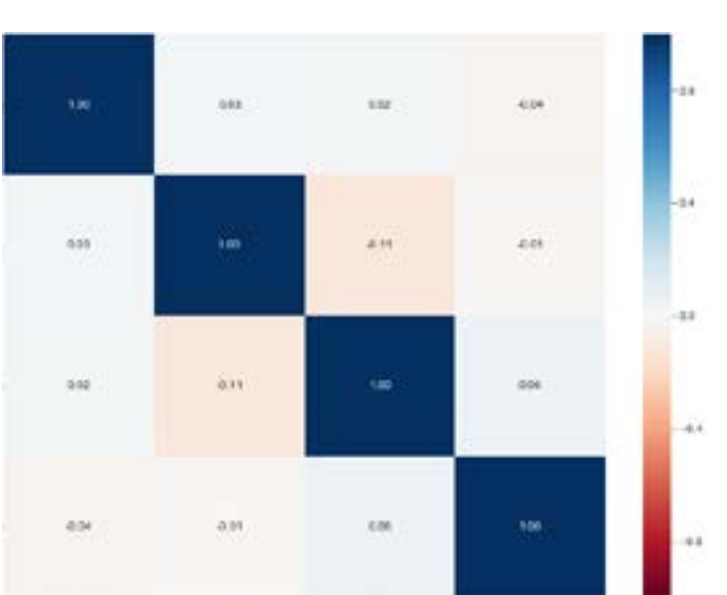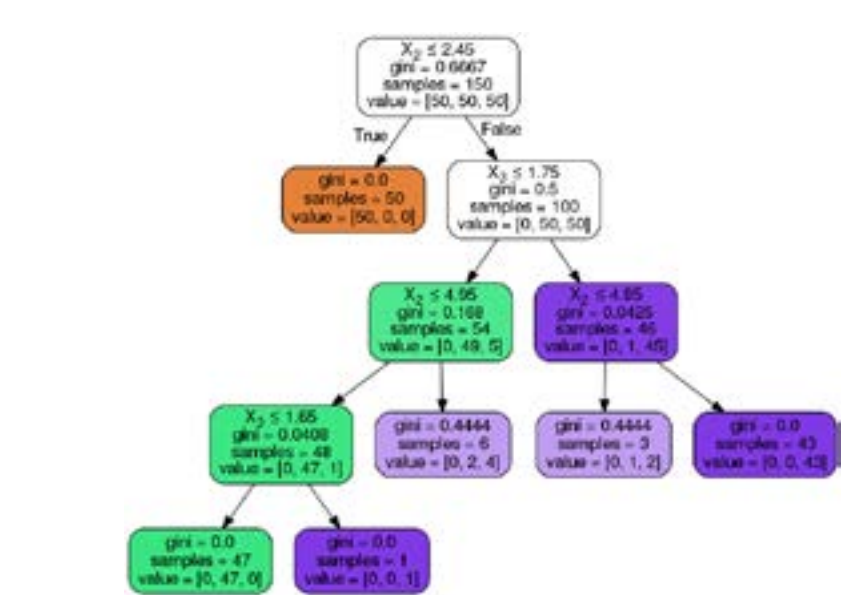# BIG DATA & ML

Using statistic and machine learning to analyse and predict data

As part of my second year, I did a module in ML, Statistical Analysis and Big Data.

The main task involved analysing data and running appropriate t-tests to determine if a certain factor was significally different across multiple controlled tests. In my case I was determining how different manufacturers of different capacity memory chips could withstand different amounts of program erase cycles before failure.

To consolidate the module I did a group project with Will Kerr and Rob Garland. We analyzed 8000 instances of speed dating and determined the key variables that lead to a successful date with an accuracy of ~75% (Precision: and Recall:)

This module taught me the key principles behind machine learning. I am planning to do some personal projects in this area to expand my knowledge and satisfy my interest.