

Project 2 Report - CMSC 409 - Artificial Intelligence

Steven Hernandez

You will notice for each scenario, there are 4 graphs.

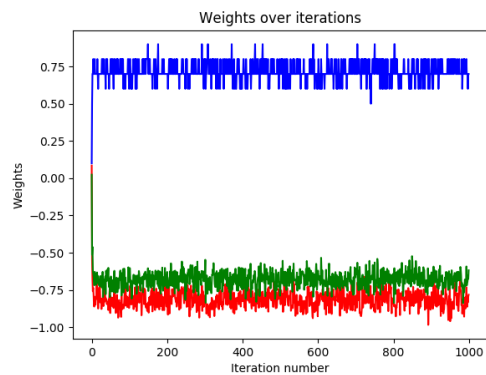
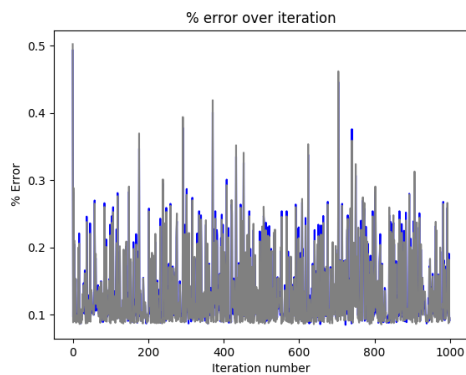
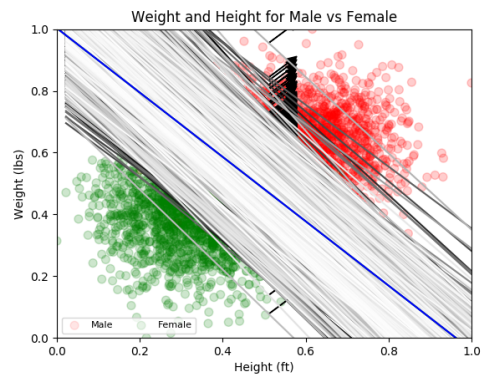
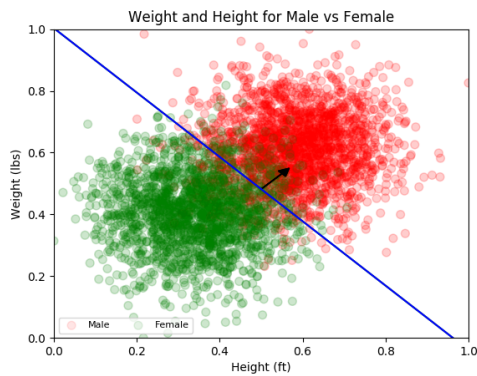
Final sep_line after learning

Graph of all sep_lines during learning

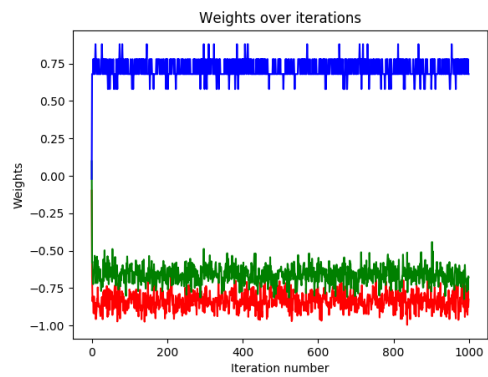
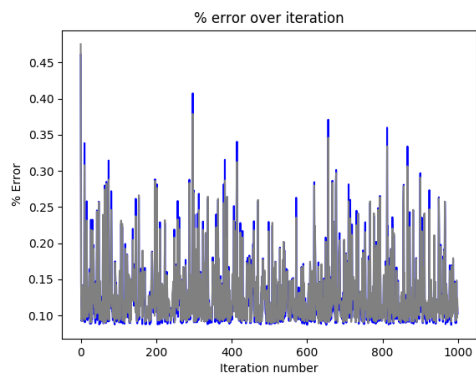
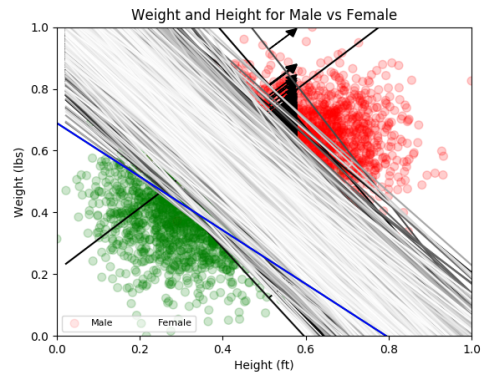
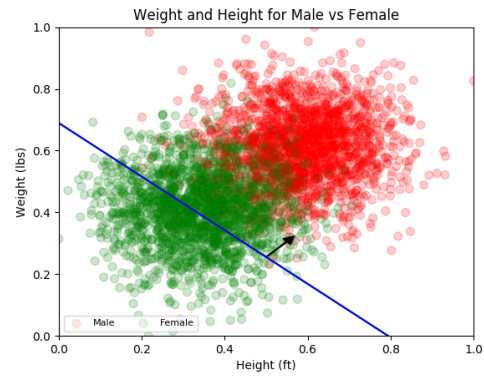
Graph of errors (blue: training set error, gray:
testing set error)

Change of weights over time.

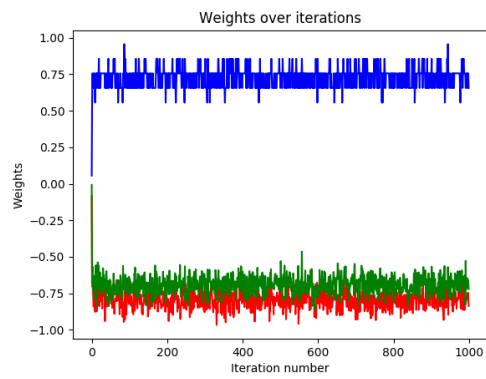
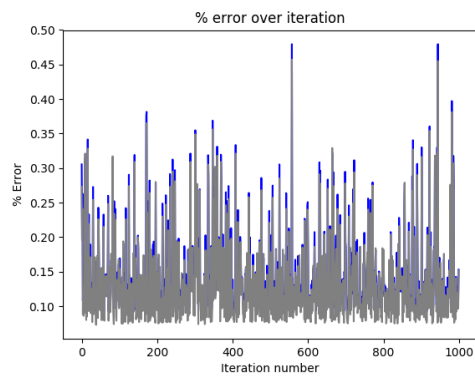
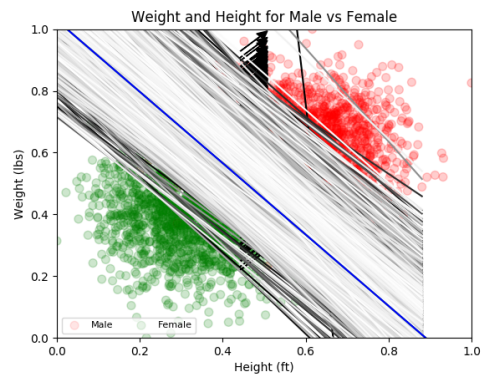
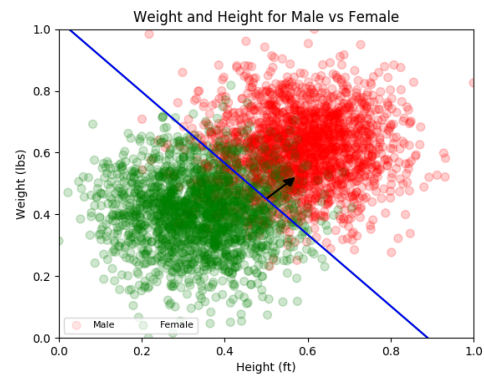
Hard Activation With A Sample Size Of 25%



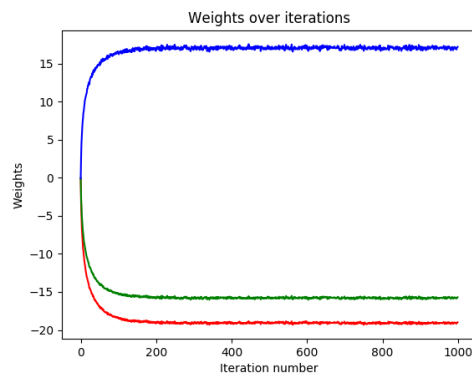
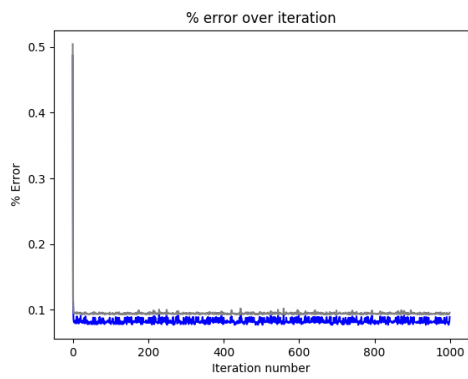
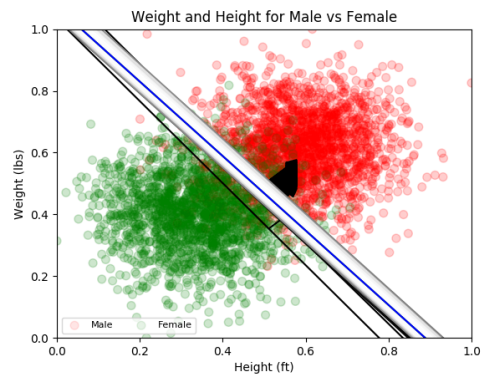
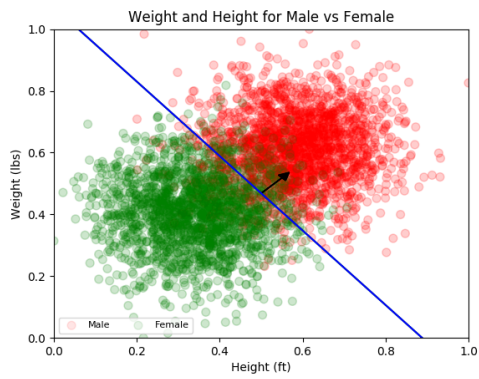
Hard Activation With A Sample Size Of 50%



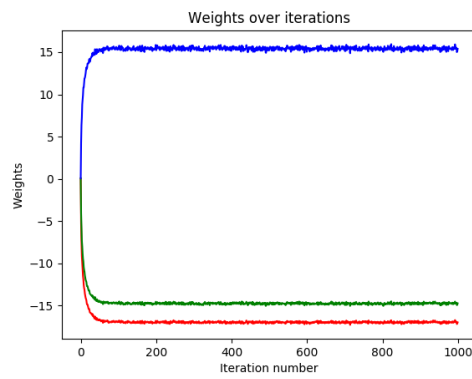
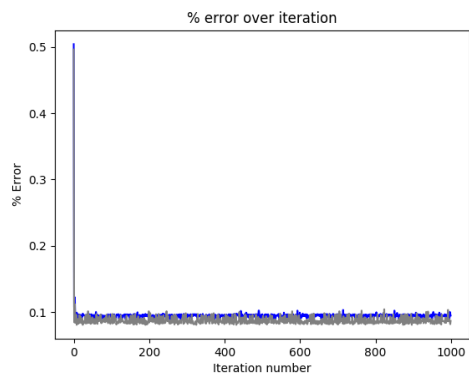
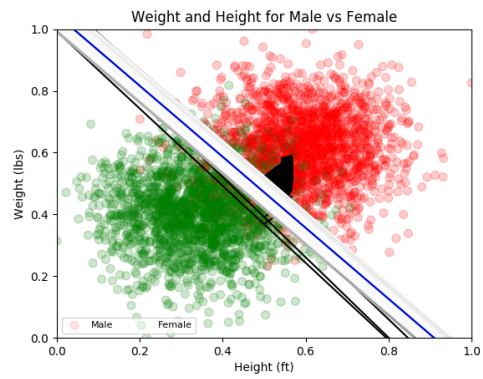
Hard Activation With A Sample Size Of 75%



Soft Activation With A Sample Size Of 25%



Soft Activation With A Sample Size Of 50%



Soft Activation With A Sample Size Of 75%

