**Exercise 10: Linear classifiers and their generalisation**          Pablo Castro Ilundain
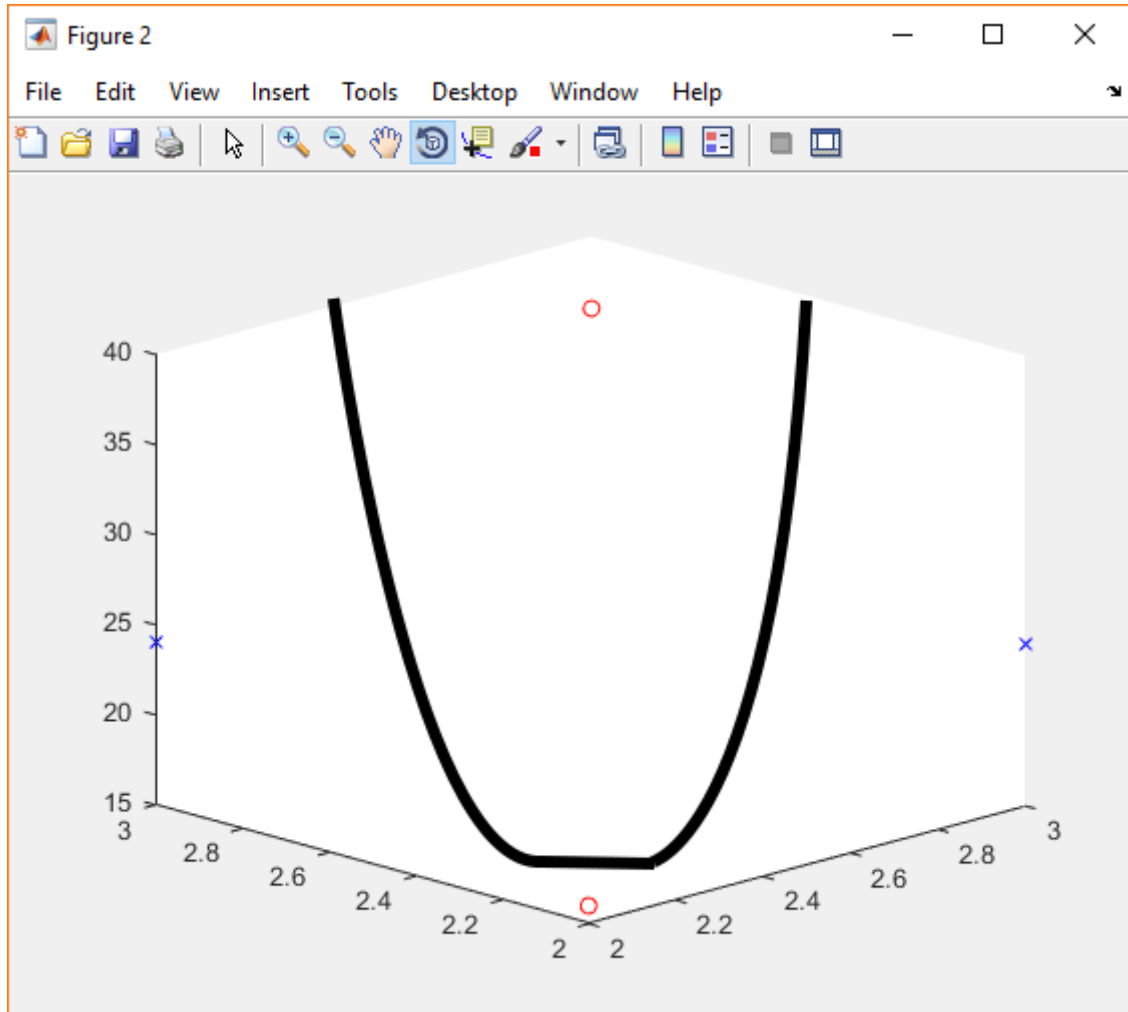
**Question 1)**

The solution to this question is on the 'svm.m' and 'ex10_q1.m' files.

**Question 2)**

The goal of this problem is to correctly classify generalizing linear classifiers. In order to visualize the data, I used Matlab but I was not able to represent the decision boundary (hyperplane) so I represented how the hyperplane would look from different perspectives.



The code for representing the plot3 it's on 'ex10_q2.m'