**Inf2B Coursework 1 Report**

**Task 1 – Anuran-Call analysis and classification**

**1.2) Findings from the correlation matrix**  
Include graphs

**1.3) b) Graph of cumulative variance**  
Include graphs

**1.3) c) Plotting of data on 2D-PCA plane**  
Graph must clarify different classes.

**1.4) Accuracy for CovKind = 1,2,3**Accuracy = correct classification rate.

**1.5) A graph of classification accuracy vs epsilon value**  
Include graphs

**Task 2 – Neural networks**

**2.3) Structure of the neural network**  
Diagrams repr. The structure of the neural network.  
Explanation on how I determined the weights.

**2.10) Findings from the correlation matrix**  
Investigation: difference in decision boundary calculations for hNeuron (step function) and sNeuron (sigmoid function).