DM Assignment 08

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Overview

This document pertains to part B of Assignment 8, which involved experimenting with the neural network supplied by Weka GUI.

Questions & Answers

1. How many nodes were used in the intermediate layer and why?

Ans: 5 nodes were used in the intermediate layer. This is because by default the number of nodes in the hidden layer is set to 'a' in the Weka GUI. The 'a' here is a wildcard which computes to (attributes + classes)/2 = (8 + 1)/2 = 4.5 which is rounded off to 5 and used.

2. What was the terminating criterion?

Ans: Number of iterations or "epochs" completed, which was set to a maximum of 500 (terminates after 500th iteration).

3. What learning rate was used?

Ans: A constant learning rate of 0.3 was used.