

Machine Learning & Data-Mining

Assignment 9 : The Back-propagation Algorithm

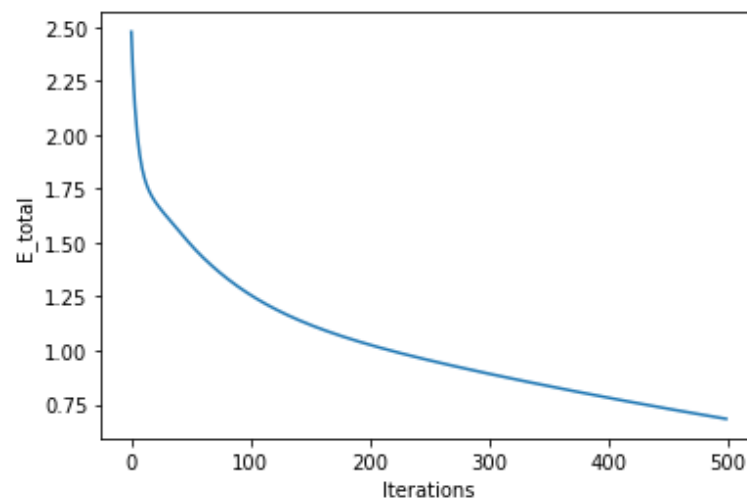
Section 2.3

Now train your network and test it on the Iris dataset. Use 80% (as usual) for training.

1. Calculate the accuracy : **My accuracy is equal to 98.3%**
2. Produce a confusion matrix for your test features and test predictions

```
Confusion Matrix:  
[[10  0  0]  
 [ 0  7  0]  
 [ 0  0 12]]
```

3. Plot the E_{total} as a function of iterations from your train_nn function.



4. Plot the misclassification_rate as a function of iterations from your train_nn function.

