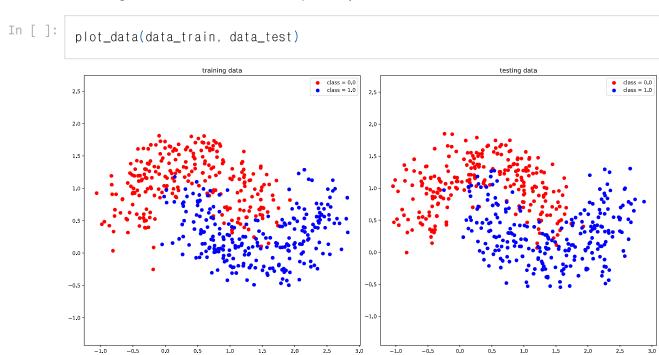
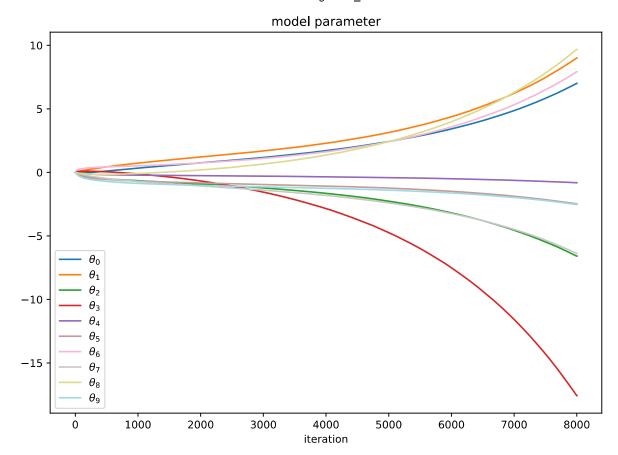
results

1. plot the input data (training on the left sub-figure and testing on the right sub-figure) in blue for class 0 and in red for class 1 from the file [assignment_10_data_train.csv] and [assignment_10_data_test.csv], respectively,

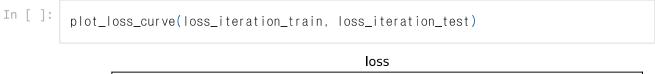


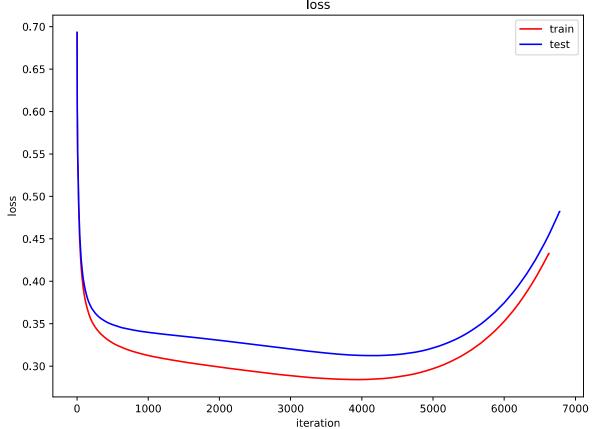
1. plot the values of the model parameters θ as curves over the gradient descent iterations using different colors

```
In [ ]: plot_model_parameter(theta_iteration)
```



1. plot the training loss in red curve and the testing loss in blue curve over the gradient descent iterations

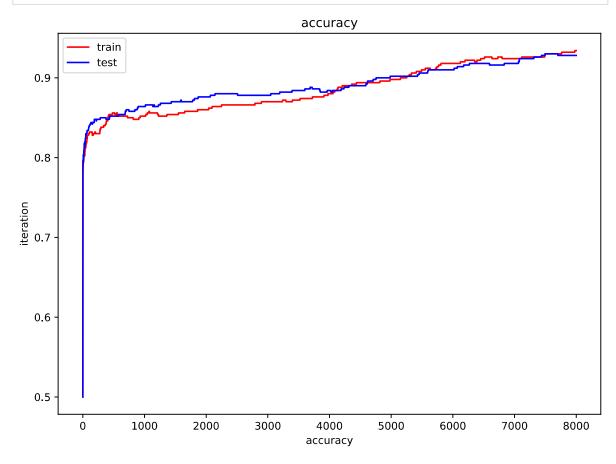




22. 1. 8. 오후 9:17 assignment_10

1. plot the training accuracy in red curve and the testing accuracy in blue curve over the gradient descent iterations

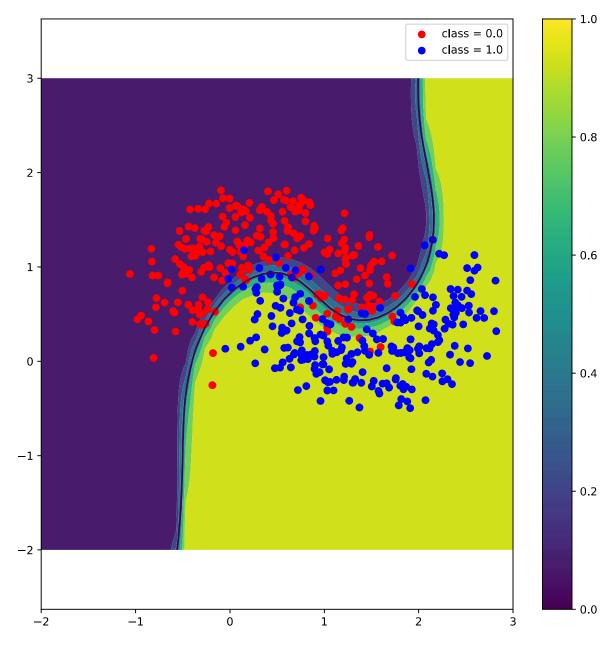
In []: plot_accuracy_curve(accuracy_iteration_train, accuracy_iteration_test)



1. plot the classifier using the prediction values in the color coding scheme ranges from blue (class 0) to red (class 1) with the training data

```
In [ ]: plot_classifier(data_train, theta_optimal)
```

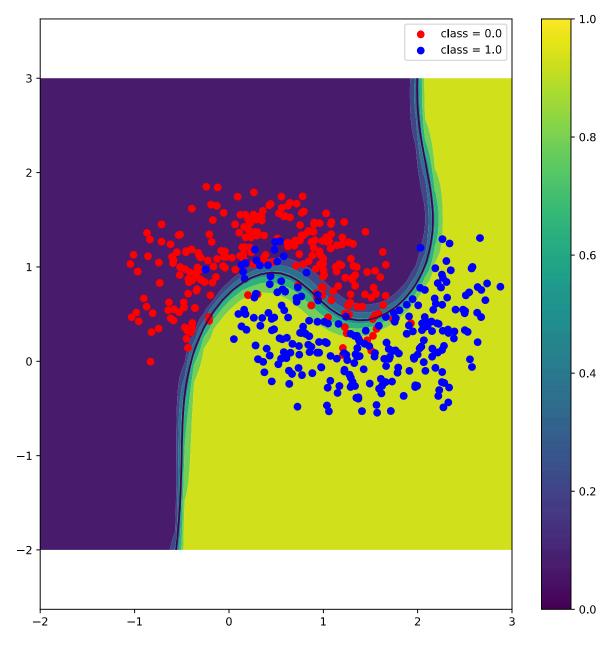
22. 1. 8. 오후 9:17 assignment_10



1. plot the classifier using the prediction values in the color coding scheme ranges from blue (class 0) to red (class 1) with the testing data

```
In [ ]: plot_classifier(data_test, theta_optimal)
```

22. 1. 8. 오후 9:17 assignment_10



1. print out the final training accuracy and the final testing accuracy in number with 5 decimal places (e.g. 0.98765)