Binary Logistic Regression Using Diabetes Data

Train dataset size = 543

Validation dataset size = 107

Test dataset size = 118

Max iterations = 500

Learning Rate	Validation Accuracy
0.1	0.4643
0.01	0.4643
0.001	0.4821
0.0001	0.6071

After using different learning rate in the validation dataset,

I think I will choose learning_rate = **0.0001** as it gave the highest accuracy.

Testing accuracy with chosen leaning_rate = **0.6538**