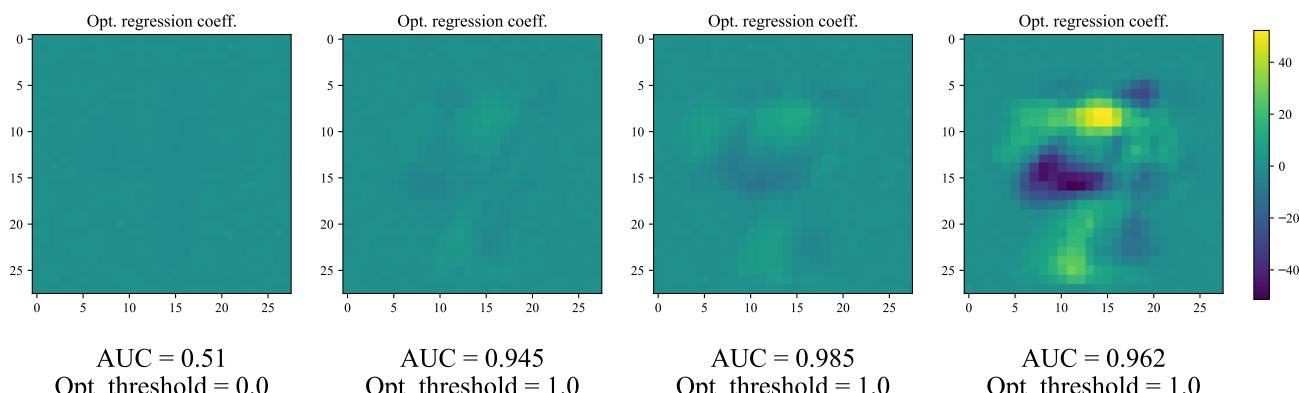
MNIST Binary Classification by LR for 4 vs. 7



Opt_threshold = 0.0 Accuracy = 0.555 Sensitivity = 0.227 Specificity = 0.859 Fall_out = 0.773 Miss_rate = 0.141 train size = 1 AUC = 0.945 Opt_threshold = 1.0 Accuracy = 0.915 Sensitivity = 0.909 Specificity = 0.921 Fall_out = 0.091 Miss_rate = 0.079 train size = 10 AUC = 0.985 Opt_threshold = 1.0 Accuracy = 0.966 Sensitivity = 0.977 Specificity = 0.955 Fall_out = 0.023 Miss_rate = 0.045 train size = 30

AUC = 0.962 Opt_threshold = 1.0 Accuracy = 0.954 Sensitivity = 0.932 Specificity = 0.975 Fall_out = 0.068 Miss_rate = 0.025 train size = 100