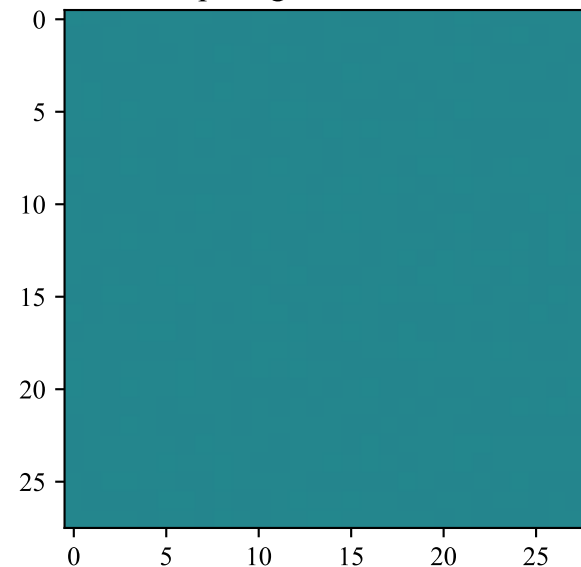


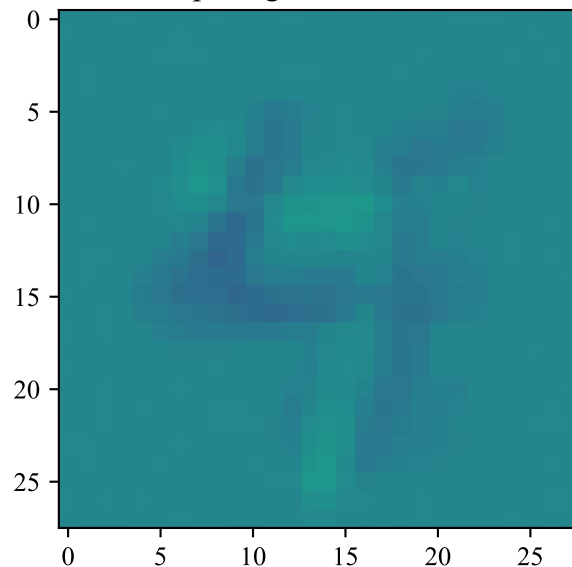
MNIST Binary Classification by LR for 4 vs. 7

Opt. regression coeff.



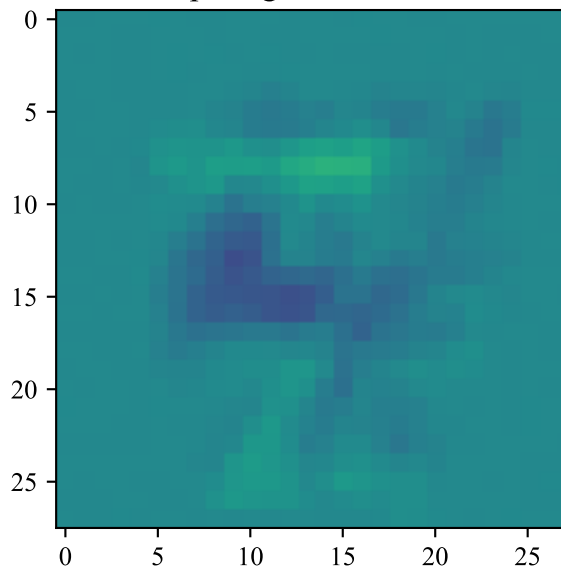
Accuracy = 0.523
Sensitivity = 0.0
Specificity = 1.0
Precision = 0.523
Fall_out = 1.0
Miss_rate = 0.0
train size = 1

Opt. regression coeff.



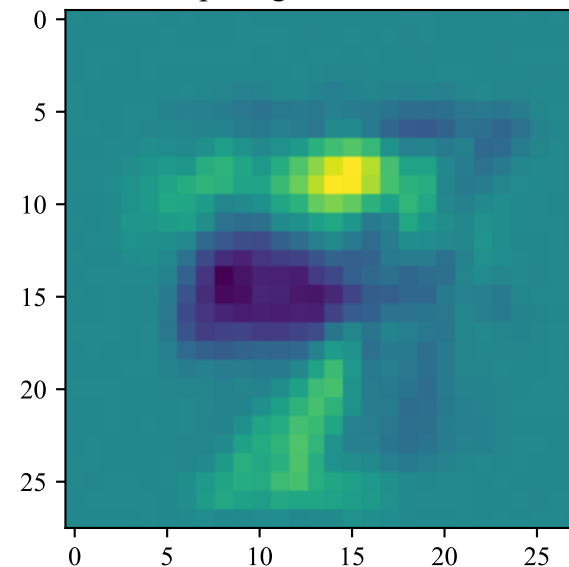
Accuracy = 0.556
Sensitivity = 0.995
Specificity = 0.155
Precision = 0.971
Fall_out = 0.005
Miss_rate = 0.845
train size = 10

Opt. regression coeff.



Accuracy = 0.82
Sensitivity = 0.998
Specificity = 0.658
Precision = 0.997
Fall_out = 0.002
Miss_rate = 0.342
train size = 30

Opt. regression coeff.



Accuracy = 0.965
Sensitivity = 0.98
Specificity = 0.951
Precision = 0.981
Fall_out = 0.02
Miss_rate = 0.049
train size = 100

