Metric	Clean	No Defense Attack	w/ Defense Attack
Loss	0.000562	3.07	0.00315
Accuracy	•		100%

Example Misclassifications:

No misclassified images for stage: Clean

Attack: fgsm_pgd_attack

Dataset: EMNIST Training Epochs: 10 Trained Clean Images: 64

Test Images: 625 Accuracy: 1.00 Precision: 1.00 Recall: 1.00 F1-score: 1.00

ROC AUC score is not defined for a single class.

Number of misclassified images for No Defense Attack: 48

Attack: fgsm_pgd_attack

Dataset: EMNIST Training Epochs: 10

Adversarial Training Images: 60

Test Images: 625 Accuracy: 0.25 Precision: 0.76 Recall: 0.27 F1-score: 0.40 ROC AUC Score: 1.00

Misclassifications:

0 -> 6: 5

0 -> 5: 6

0 -> 8: 14

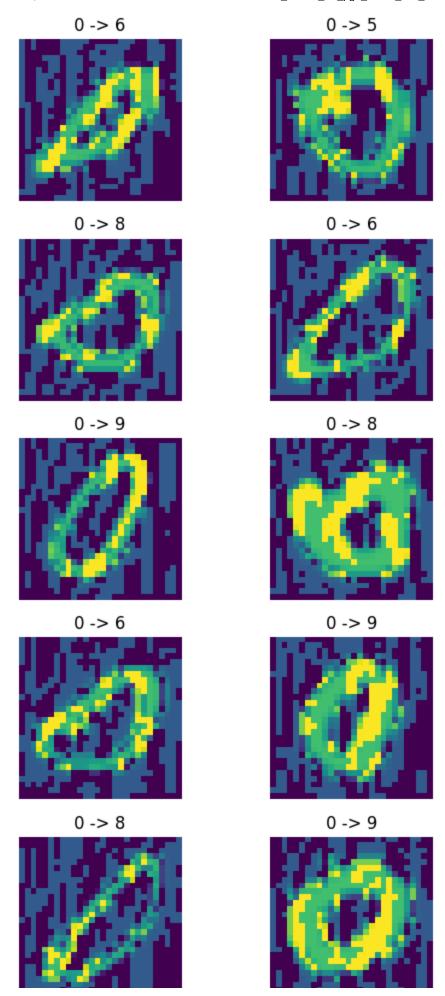
0 -> 9: 17

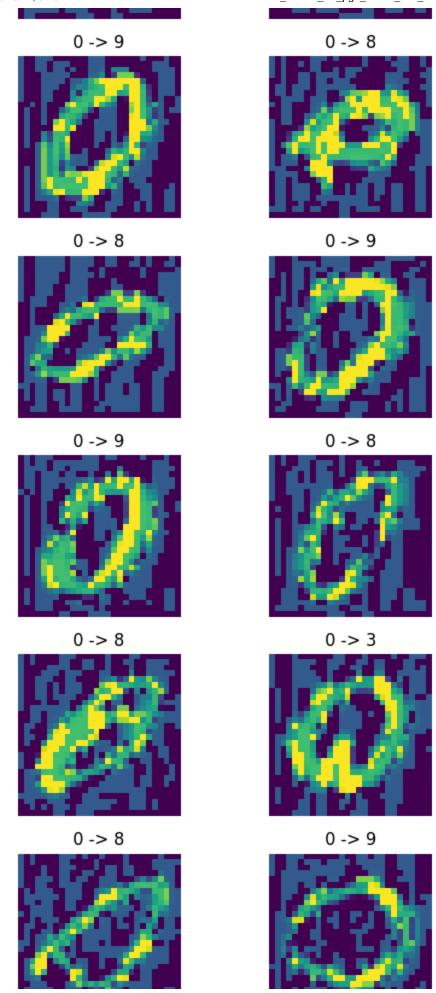
0 -> 3: 2

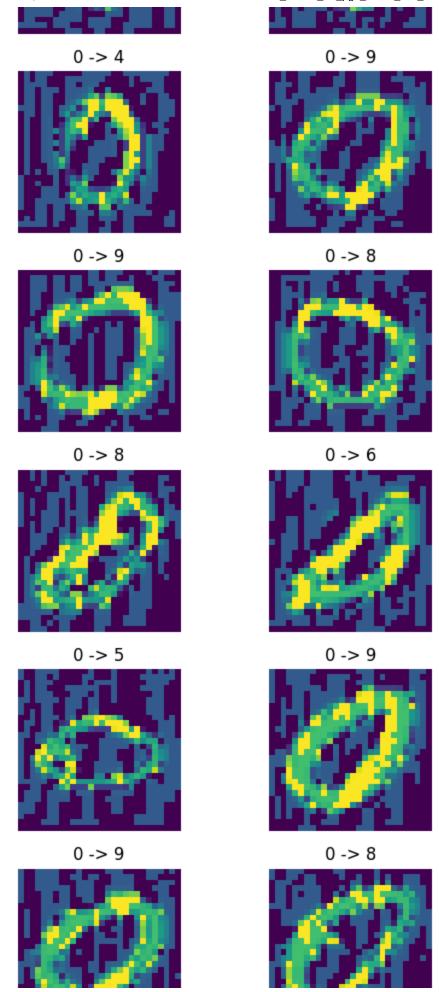
0 -> 4: 1

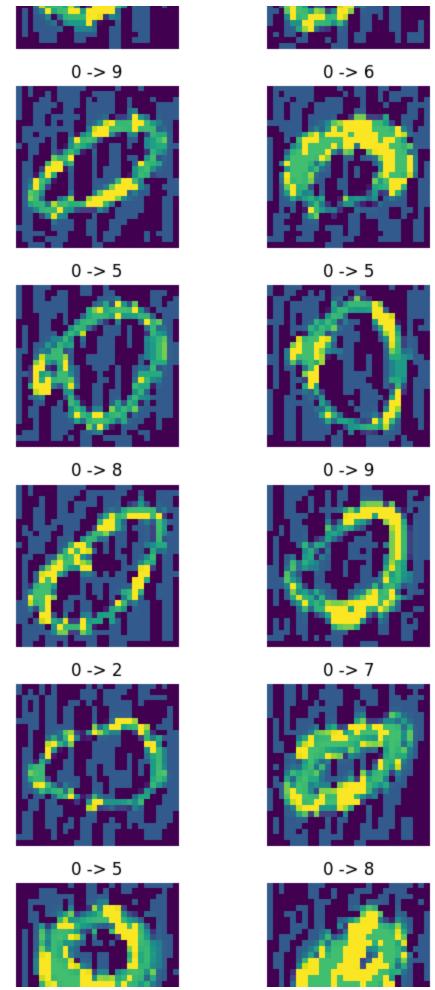
0 -> 2: 2

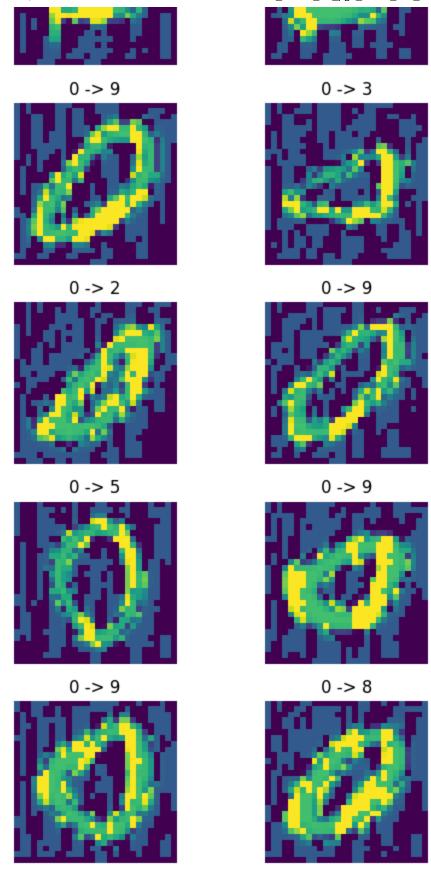
0 -> 7: 1











No misclassified images for stage: w/ Defense Attack

Attack: fgsm_pgd_attack

Dataset: EMNIST Training Epochs: 10

Retrained Clean and Adversarial Images: 124

3/26/24, 5:28 PM

Test Images: 625 Accuracy: 1.00 Precision: 1.00 Recall: 1.00 F1-score: 1.00

ROC AUC score is not defined for a single class.
