Confusion Matrices: All Regimes and Models
(TN=True Negative, FP=False Positive, FN=False Negative, TP=True Positive)

**TRTR - RandomForest**
Acc=0.999 | Prec=0.999 | Rec=0.999
FPR=0.001 | FNR=0.001

| | Pred: Normal | Pred: Anomaly |
|---|---|---|
| True: Normal | TN 3755 | FP 5 |
| True: Anomaly | FN 3 | TP 3757 |

**TRTR - LightGBM**
Acc=0.999 | Prec=0.999 | Rec=0.999
FPR=0.001 | FNR=0.001

| | Pred: Normal | Pred: Anomaly |
|---|---|---|
| True: Normal | TN 3757 | FP 3 |
| True: Anomaly | FN 2 | TP 3758 |

**TRTR - XGBoost**
Acc=0.999 | Prec=0.998 | Rec=0.999
FPR=0.002 | FNR=0.001

| | Pred: Normal | Pred: Anomaly |
|---|---|---|
| True: Normal | TN 3754 | FP 6 |
| True: Anomaly | FN 2 | TP 3758 |

**TSTR - RandomForest**
Acc=0.716 | Prec=0.986 | Rec=0.439
FPR=0.006 | FNR=0.561

| | Pred: Normal | Pred: Anomaly |
|---|---|---|
| True: Normal | TN 3736 | FP 24 |
| True: Anomaly | FN 2108 | TP 1652 |

**TSTR - LightGBM**
Acc=0.747 | Prec=0.993 | Rec=0.497
FPR=0.003 | FNR=0.503

| | Pred: Normal | Pred: Anomaly |
|---|---|---|
| True: Normal | TN 3747 | FP 13 |
| True: Anomaly | FN 1891 | TP 1869 |

**TSTR - XGBoost**
Acc=0.727 | Prec=0.987 | Rec=0.459
FPR=0.006 | FNR=0.541

| | Pred: Normal | Pred: Anomaly |
|---|---|---|
| True: Normal | TN 3737 | FP 23 |
| True: Anomaly | FN 2033 | TP 1727 |

**TRTS - RandomForest**
Acc=0.878 | Prec=0.809 | Rec=0.991
FPR=0.234 | FNR=0.009

| | Pred: Normal | Pred: Anomaly |
|---|---|---|
| True: Normal | TN 2879 | FP 881 |
| True: Anomaly | FN 33 | TP 3727 |

**TRTS - LightGBM**
Acc=0.888 | Prec=0.822 | Rec=0.991
FPR=0.215 | FNR=0.009

| | Pred: Normal | Pred: Anomaly |
|---|---|---|
| True: Normal | TN 2952 | FP 808 |
| True: Anomaly | FN 32 | TP 3728 |

**TRTS - XGBoost**
Acc=0.878 | Prec=0.809 | Rec=0.990
FPR=0.233 | FNR=0.010

| | Pred: Normal | Pred: Anomaly |
|---|---|---|
| True: Normal | TN 2883 | FP 877 |
| True: Anomaly | FN 39 | TP 3721 |