Final SVM Test Results

Confusion Matrix

	Pred Normal	Pred Anomaly
True Normal	2978	335
True Anomaly	163467	364898
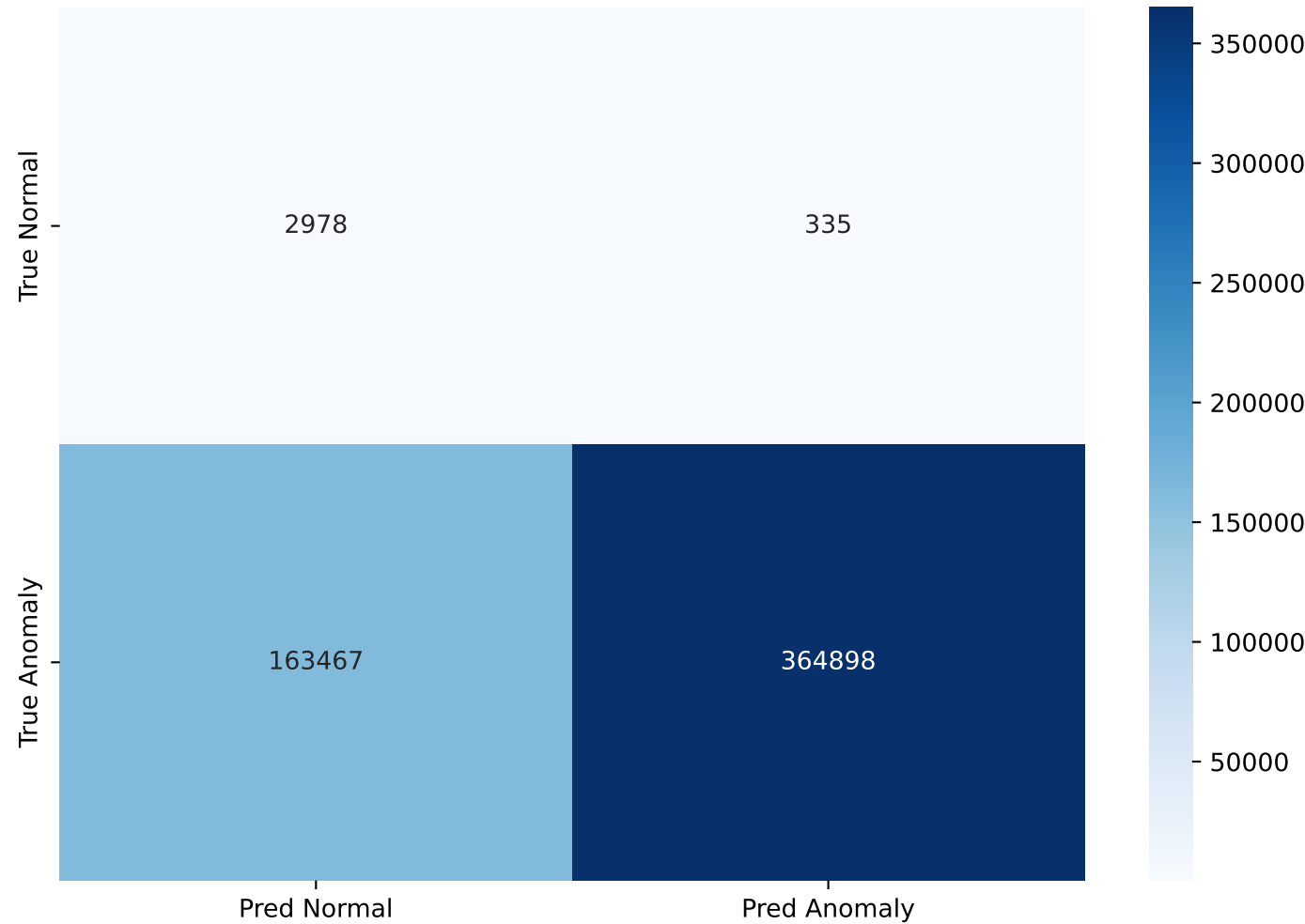
Classification Metrics by Class

- Normal (0.0)
- Anomaly (1.0)

	precision	recall	f1-score
Normal (0.0)	0.018	0.899	0.035
Anomaly (1.0)	0.999	0.691	0.817
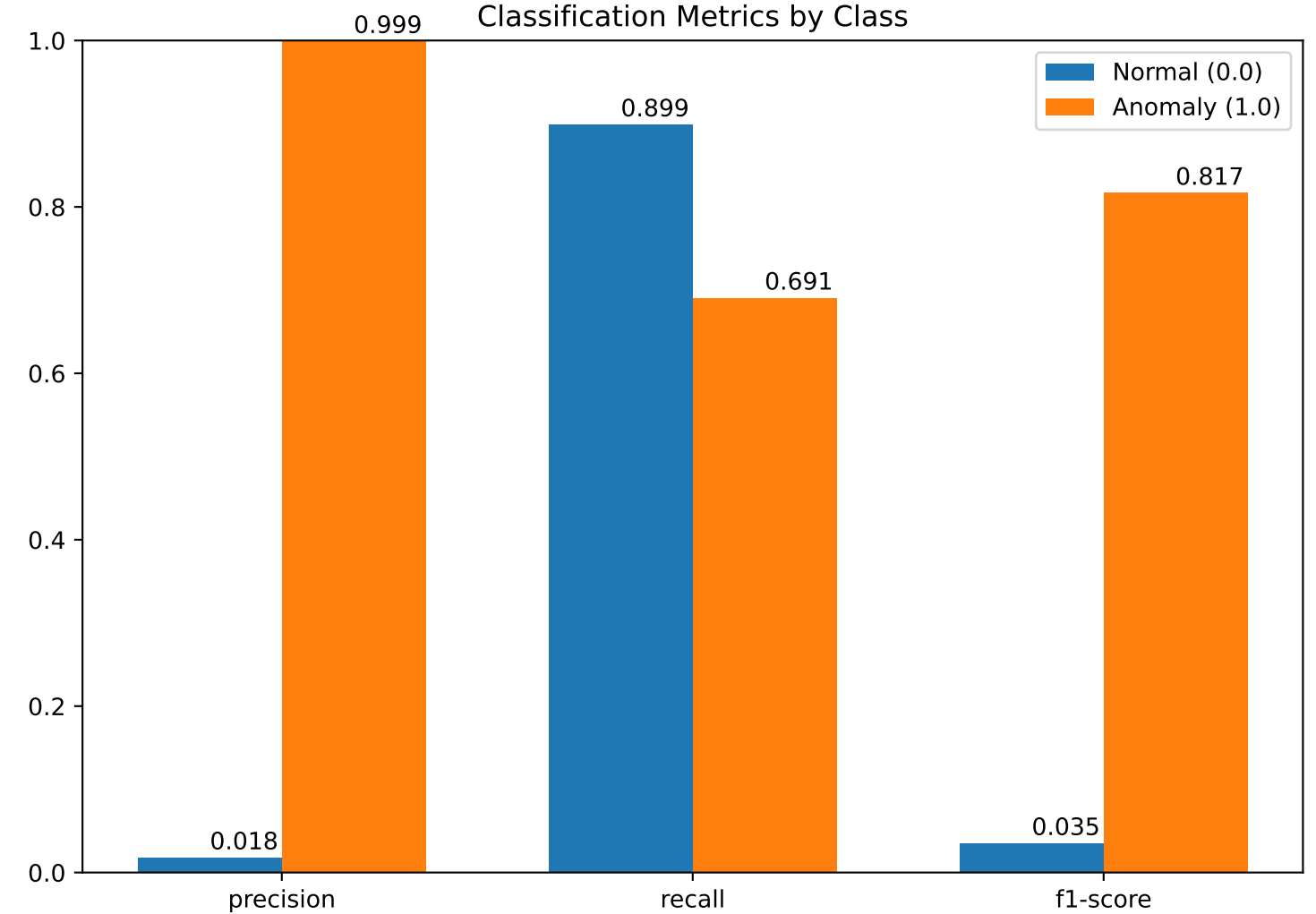
Test Class Distribution

- Normal: 0.6%
- Anomaly: 99.4%
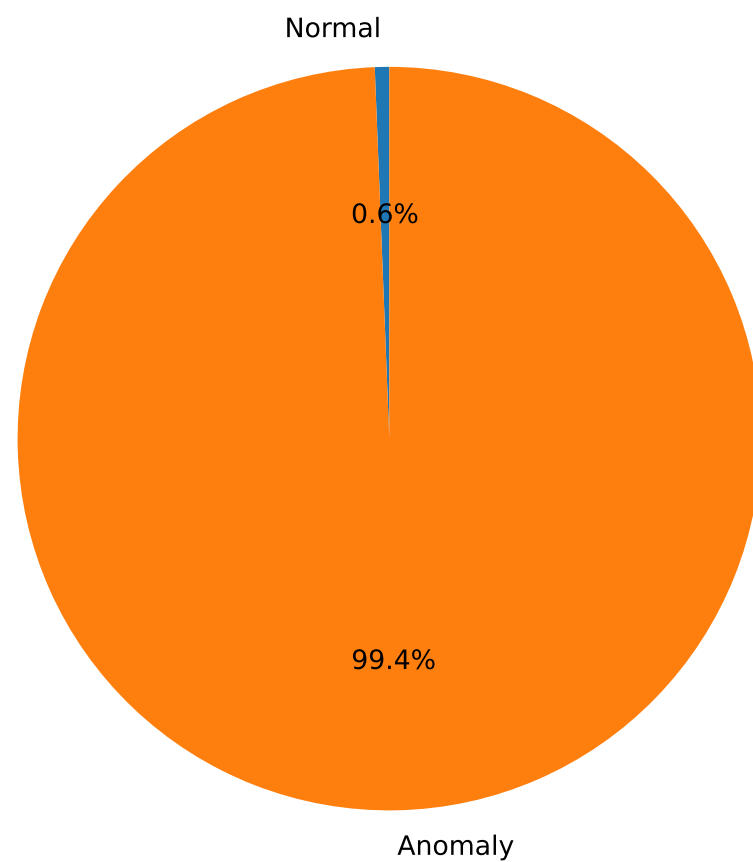
Overall Performance Metrics

Metric	Value
Weighted F1	0.812
Weighted Recall	0.692
Weighted Precision	0.993
Macro F1	0.426
Macro Recall	0.795
Macro Precision	0.508
Accuracy	0.692