

Model Performance Summary

Validation Metrics:

LR: Acc=0.759 Pre=0.530 Rec=0.775 F1=0.629 ROC=0.836 PR=0.650 Thr=0.553

RF: Acc=0.761 Pre=0.535 Rec=0.721 F1=0.614 ROC=0.827 PR=0.612 Thr=0.334

SVM: Acc=0.783 Pre=0.570 Rec=0.715 F1=0.635 ROC=0.834 PR=0.638 Thr=0.431

CB: Acc=0.808 Pre=0.644 Rec=0.612 F1=0.628 ROC=0.844 PR=0.676 Thr=0.733

Test Metrics:

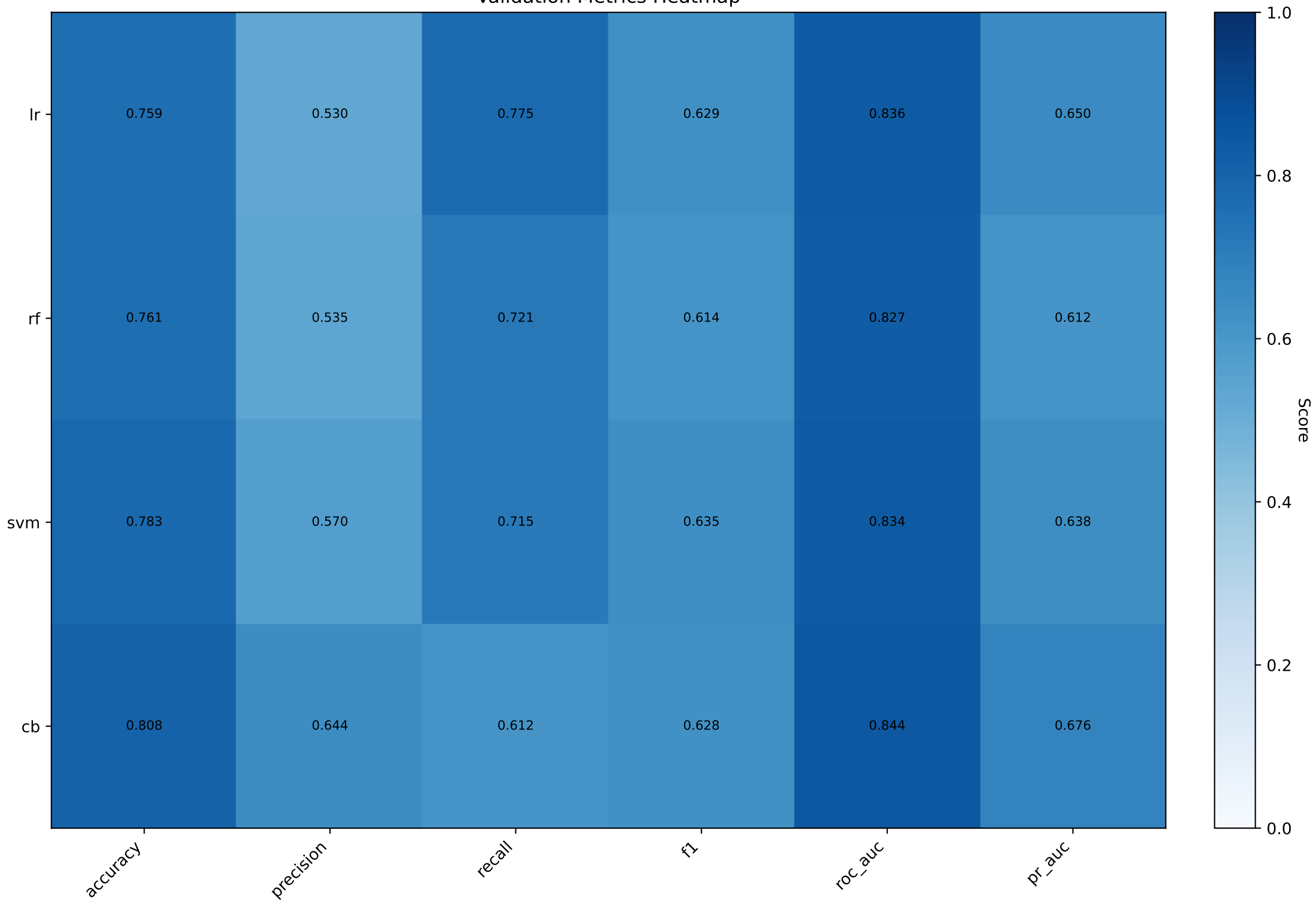
LR: Acc=0.767 Pre=0.543 Rec=0.757 F1=0.632 ROC=0.843 PR=0.613 Thr=0.540

RF: Acc=0.737 Pre=0.502 Rec=0.741 F1=0.598 ROC=0.816 PR=0.574 Thr=0.264

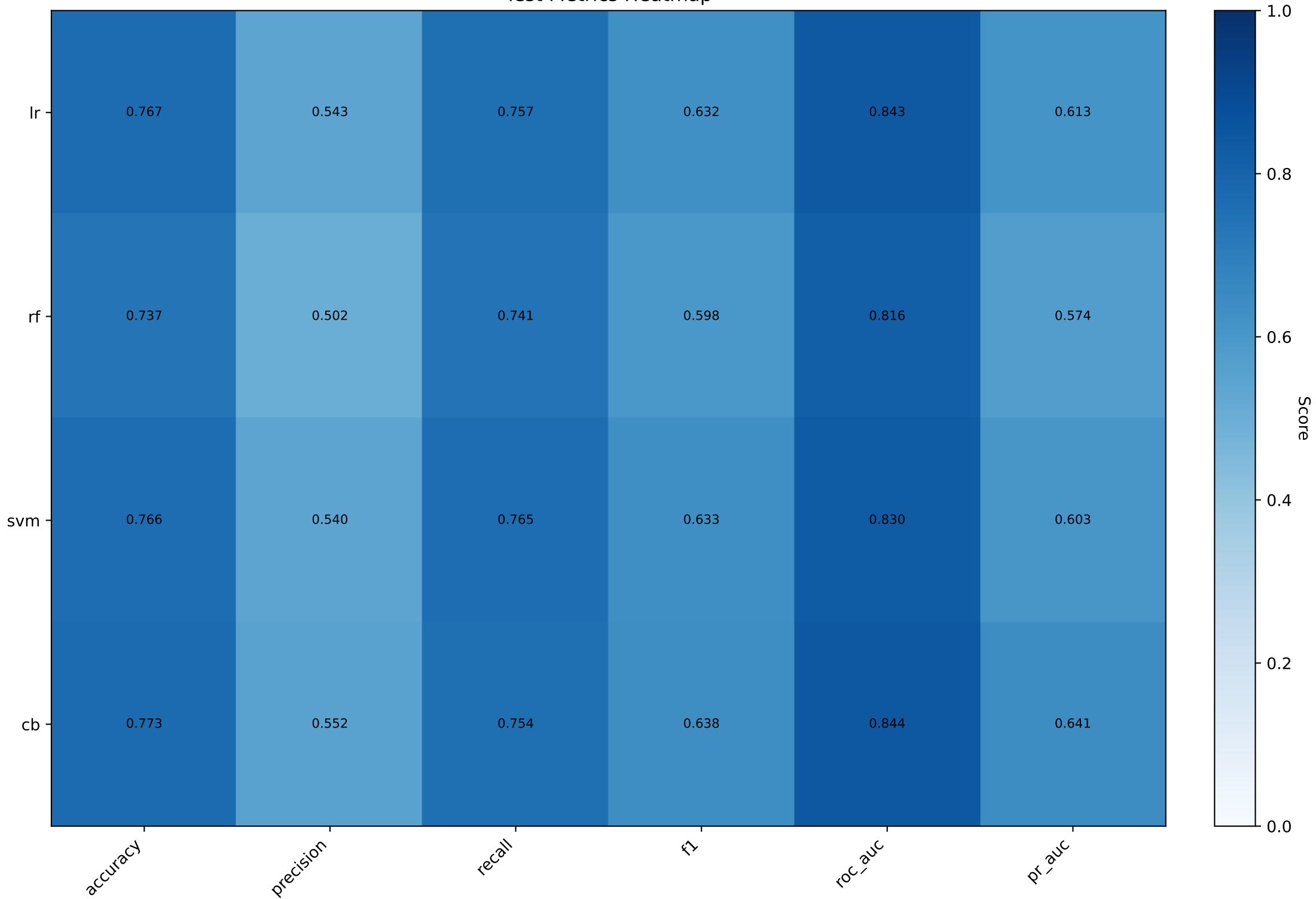
SVM: Acc=0.766 Pre=0.540 Rec=0.765 F1=0.633 ROC=0.830 PR=0.603 Thr=0.303

CB: Acc=0.773 Pre=0.552 Rec=0.754 F1=0.638 ROC=0.844 PR=0.641 Thr=0.528

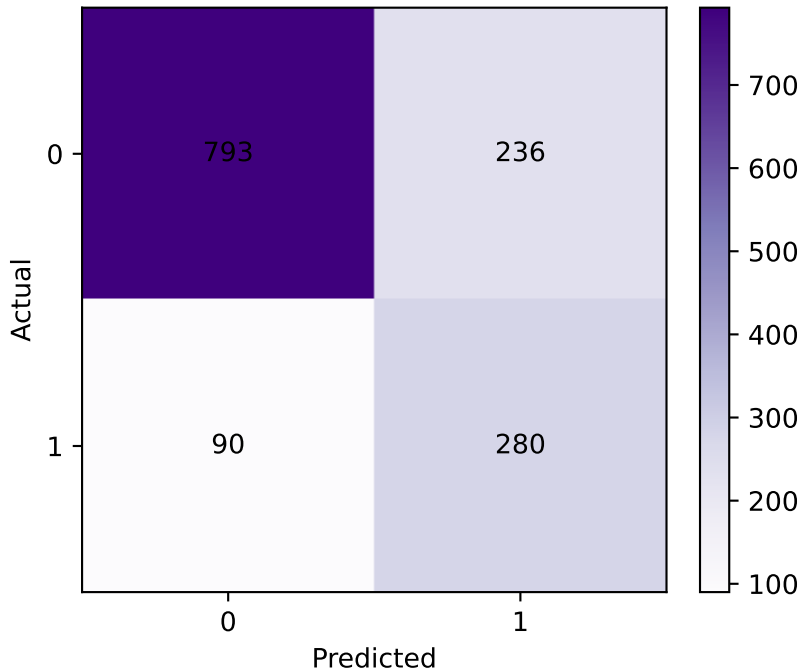
Validation Metrics Heatmap



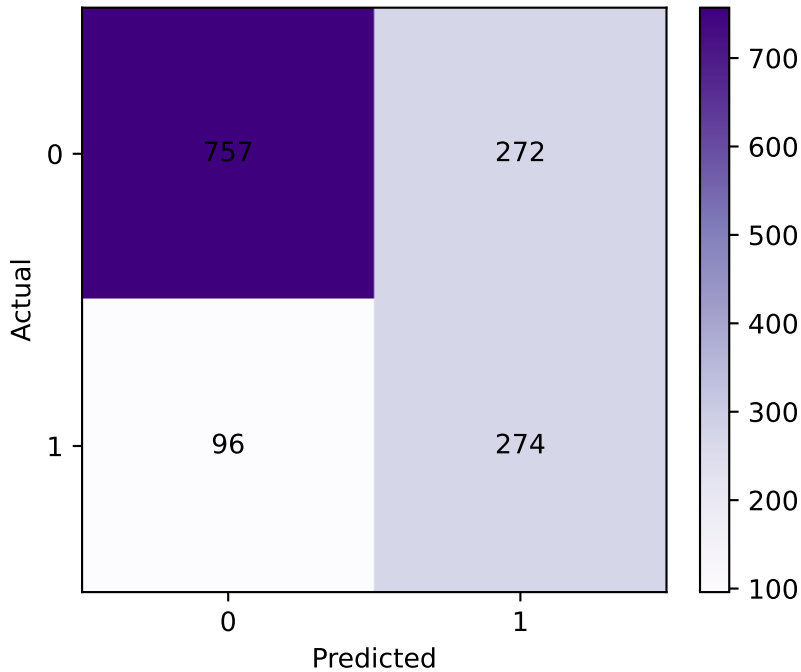
Test Metrics Heatmap



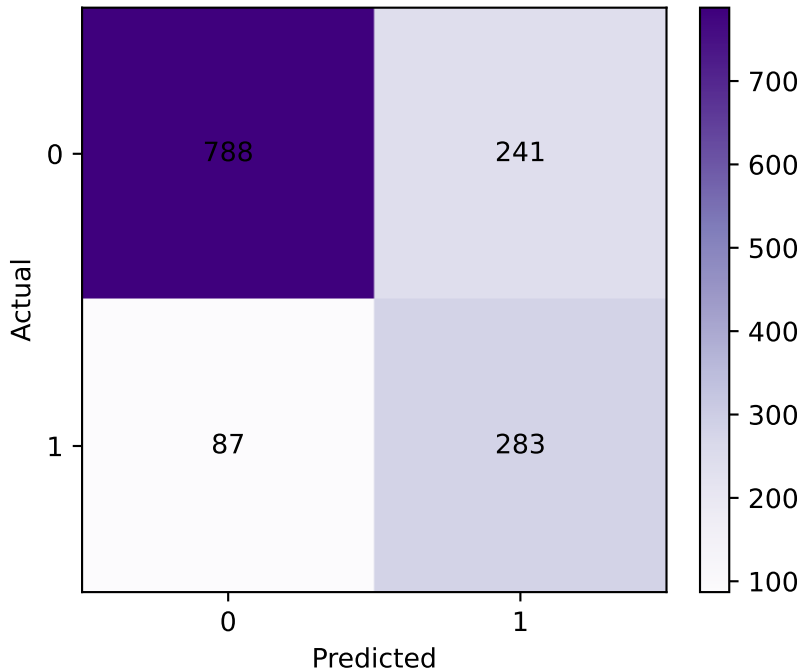
LR Test Confusion Matrix



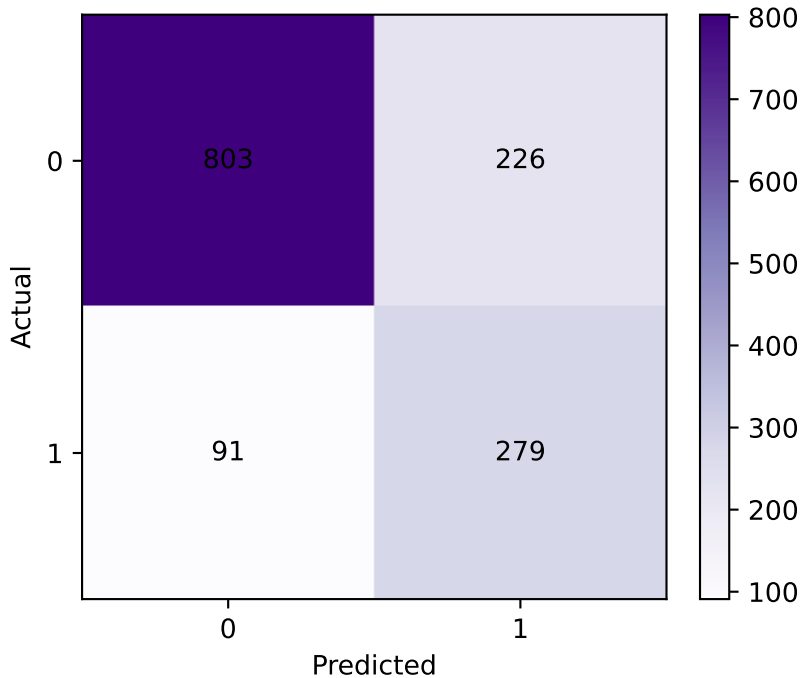
RF Test Confusion Matrix



SVM Test Confusion Matrix



CB Test Confusion Matrix



Test Metrics Comparison (ROC/PR/F1)

