

DS340W

Nicholas Shuble

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1 Introduction

Threshold	Accuracy	Precision	Recall	F1 Score	Positive Rate
0.30	0.489	0.483	0.869	0.621	0.865
0.35	0.492	0.484	0.838	0.613	0.832
0.40	0.502	0.488	0.787	0.603	0.775
0.45	0.505	0.490	0.750	0.593	0.736
0.50	0.556	0.583	0.263	0.362	0.216
0.55	0.526	0.550	0.069	0.122	0.060
0.60	0.520	0.000	0.000	0.000	0.000

Table 1: Threshold sweep performance metrics.

Metric	Value	95% CI Lower	95% CI Upper
Accuracy	0.5045	0.4504	0.5586
Precision	0.4898	0.4268	0.5447
Recall	0.7500	0.6832	0.8118
F1 Score	0.5926	0.5316	0.6456
ROC AUC	0.5281	0.4669	0.5916

Table 2: Overall performance metrics with 95% bootstrap confidence intervals.

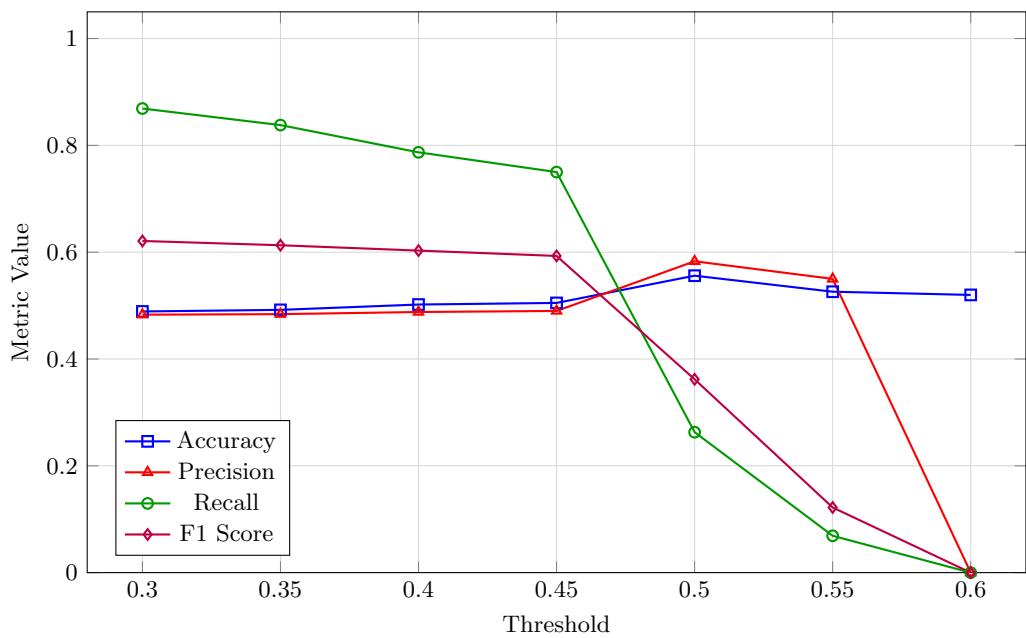


Figure 1: Threshold sweep showing Accuracy, Precision, Recall, and F1 Score across different classification thresholds.