

Conformal Prediction and Monte Carlo Inference for Addressing Uncertainty in Cervical Cancer Screening Supplementary Material

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No Institute Given

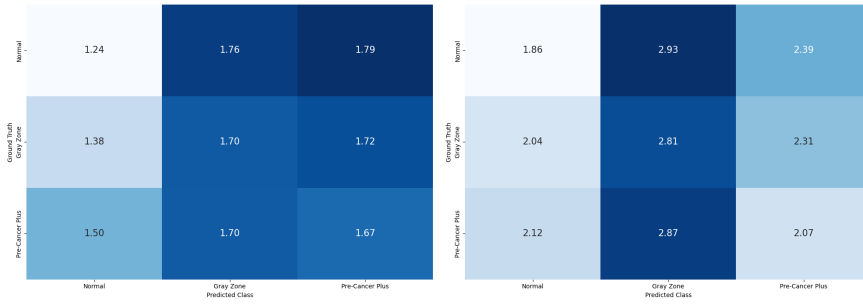


Fig. 1. Confusion Matrix of Average Conformal Prediction Length for LAC with $\alpha = 0.2$ (Left) and $\alpha = 0.05$ (Right)

Table 1. T-Test for Average Conformal Prediction Lengths μ by APS with $\alpha = 0.1$ in the Two-Class Model (95% Confidence)

Comparison (μ_1 vs μ_2)	μ_1	μ_2	p
GZ vs Overall Inc GZ	1.98 ± 0.02	1.95 ± 0.01	< 0.05
GZ vs Overall Exc GZ	1.98 ± 0.02	1.94 ± 0.02	< 0.05
GZ vs Normal	1.98 ± 0.02	1.94 ± 0.02	< 0.05
GZ vs PC+	1.98 ± 0.02	1.96 ± 0.03	0.33

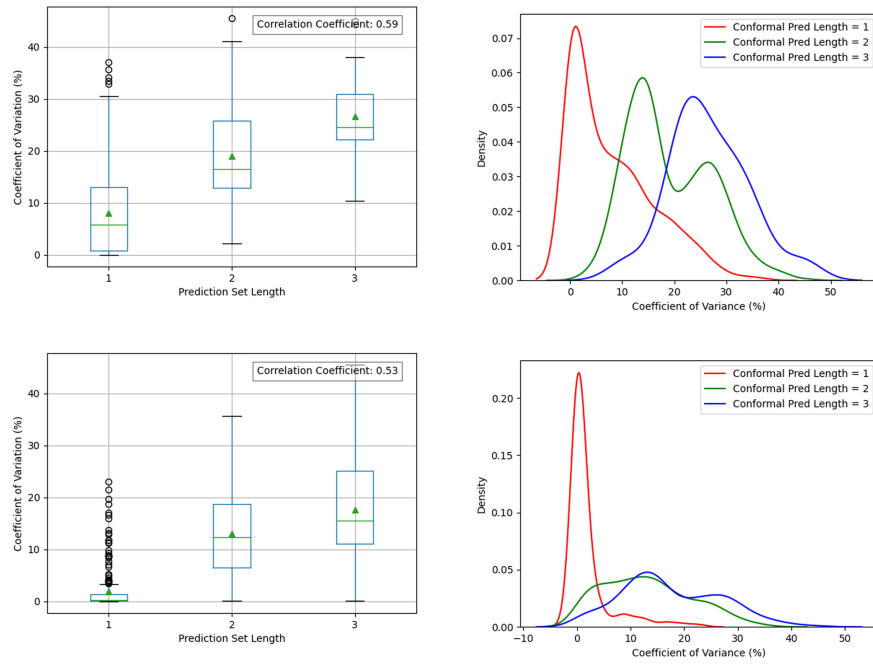


Fig. 2. Box-and-Whisker Plot of Conformal Prediction Length vs Coefficient of Variation and Distribution of Coefficient of Variation Color-Coded by Conformal Prediction Set Length for LAC $\alpha = 0.2$ (Top) and $\alpha = 0.05$ (Bottom)