Performance Difference (Perturbed - Original)

Metrics (x-axis): Accuracy, F1-Score, Precision, Recall, AUC

Difference in Score (y-axis): 0.1, 0.0, −0.1, −0.2, −0.3, −0.4
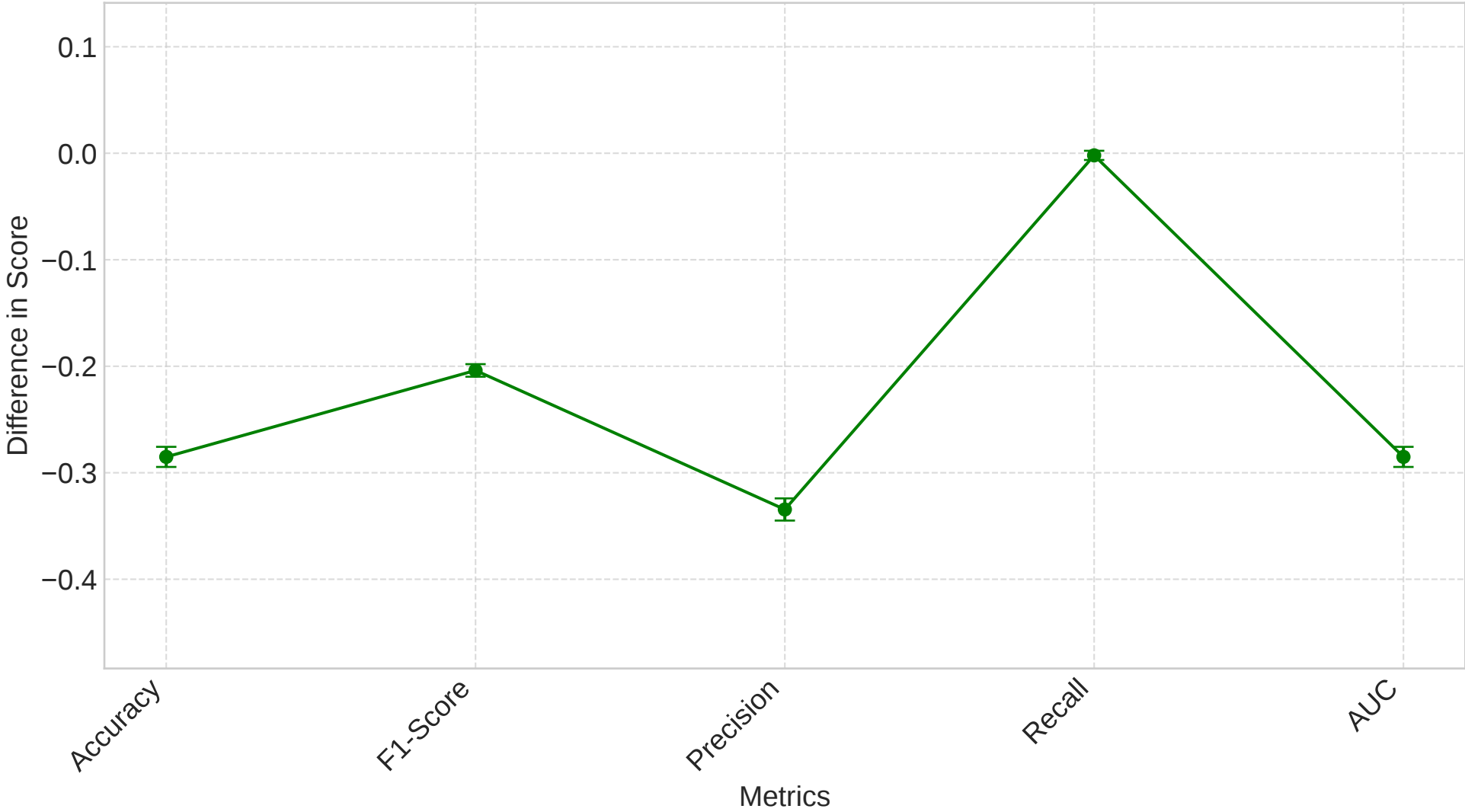
Original:
Dataset: 1,000 Samples, 5 Features (0 Cont, 5 Disc)
No Perturbations | Std. Separation: 1.84

Perturbed:
Dataset: 1,000 Samples, 5 Features (0 Cont, 5 Disc)
Perturbation: feature_1 (Noise) by -0.2σ; feature_2 (Noise) scaled by 1.25x; feature_3 (Noise) scaled by -1.25x; feature_4
(Noise) scaled by 1.5x | Std. Separation: 1.84