

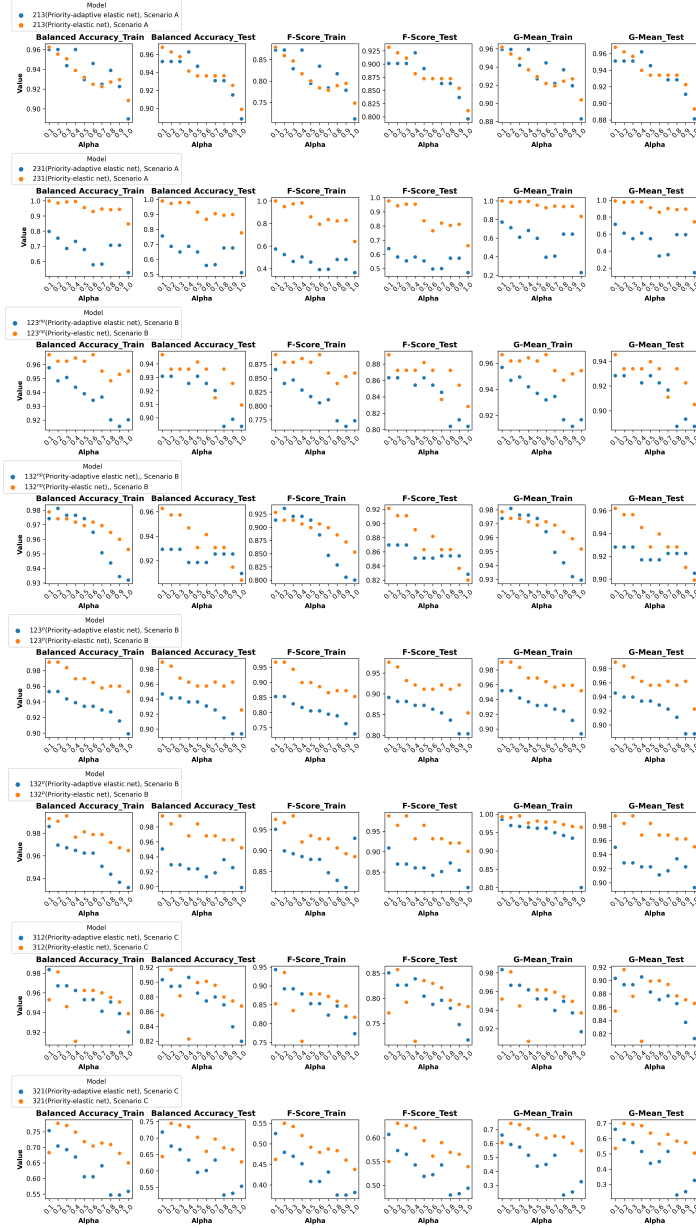


Figure 4: Comparison of model performance metrics across various alpha values for Priority-Adaptive elastic net (blue) and Priority-Elastic net (orange) models. The plots illustrate the relationship between alpha and key metrics such as Balanced Accuracy, F-Score, and G-Mean, separately for training and testing datasets across multiple model configurations. Each row in the figure represents a distinct scenario (A, B, and C) and model configuration. Within each scenario, the metrics are displayed for both training and testing datasets to highlight the performance differences between the Priority-Adaptive elastic net and Priority-Elastic net models.