Hyperparameter Tuning Performance Analysis

Cross-Validation Scores Distribution

Best: Random Forest
0.908±0.009

Performance Summary:
1. Random Forest: 0.908±0.009
2. Gradient Boosting: 0.907±0.008
3. LightGBM: 0.907±0.008

G-mean Score

Random Forest XGBoost LightGBM Gradient Boosting Logistic Regression SVM
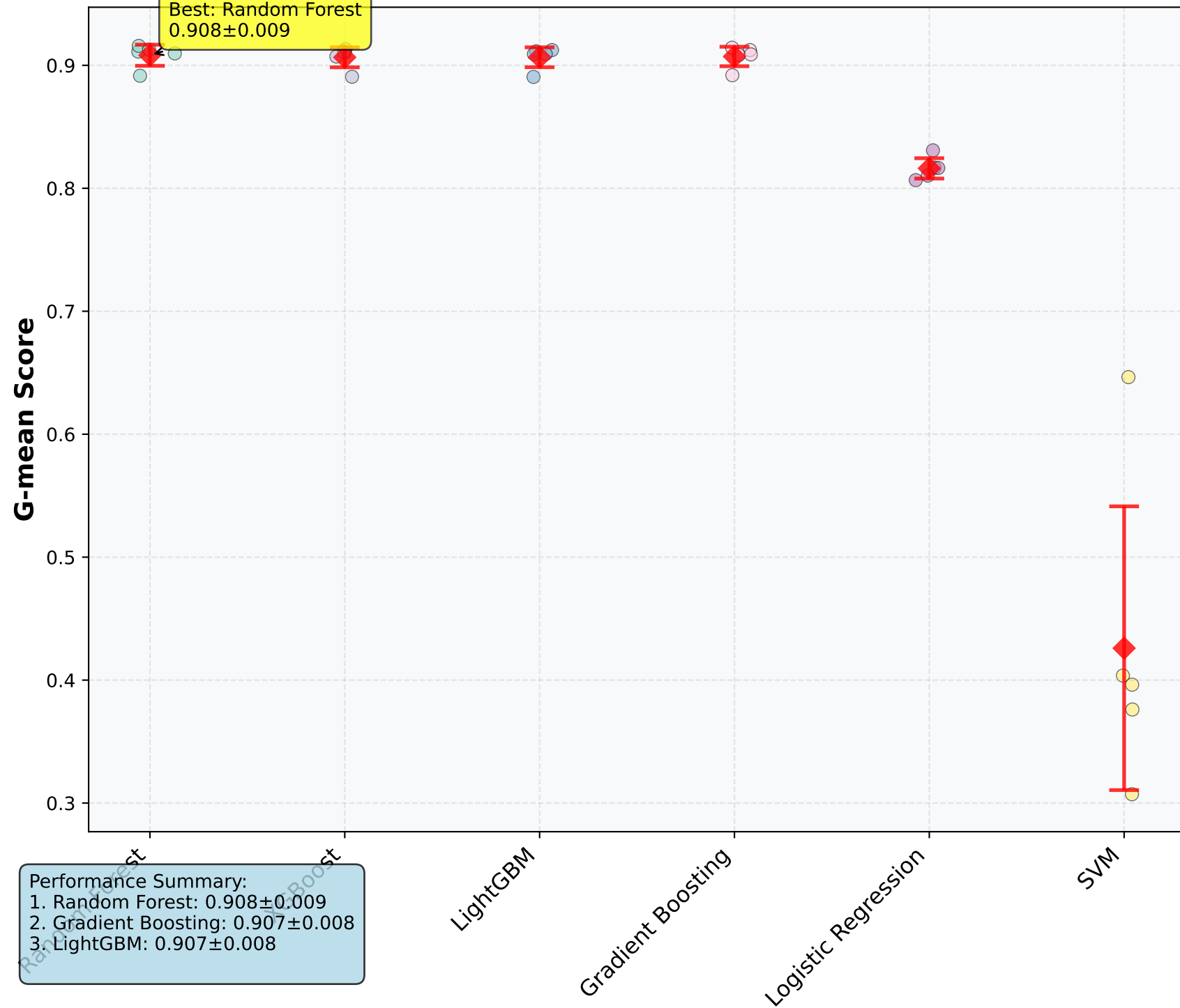
Statistical Distribution Comparison

G-mean Score

Random Forest XGBoost LightGBM Gradient Boosting Logistic Regression SVM