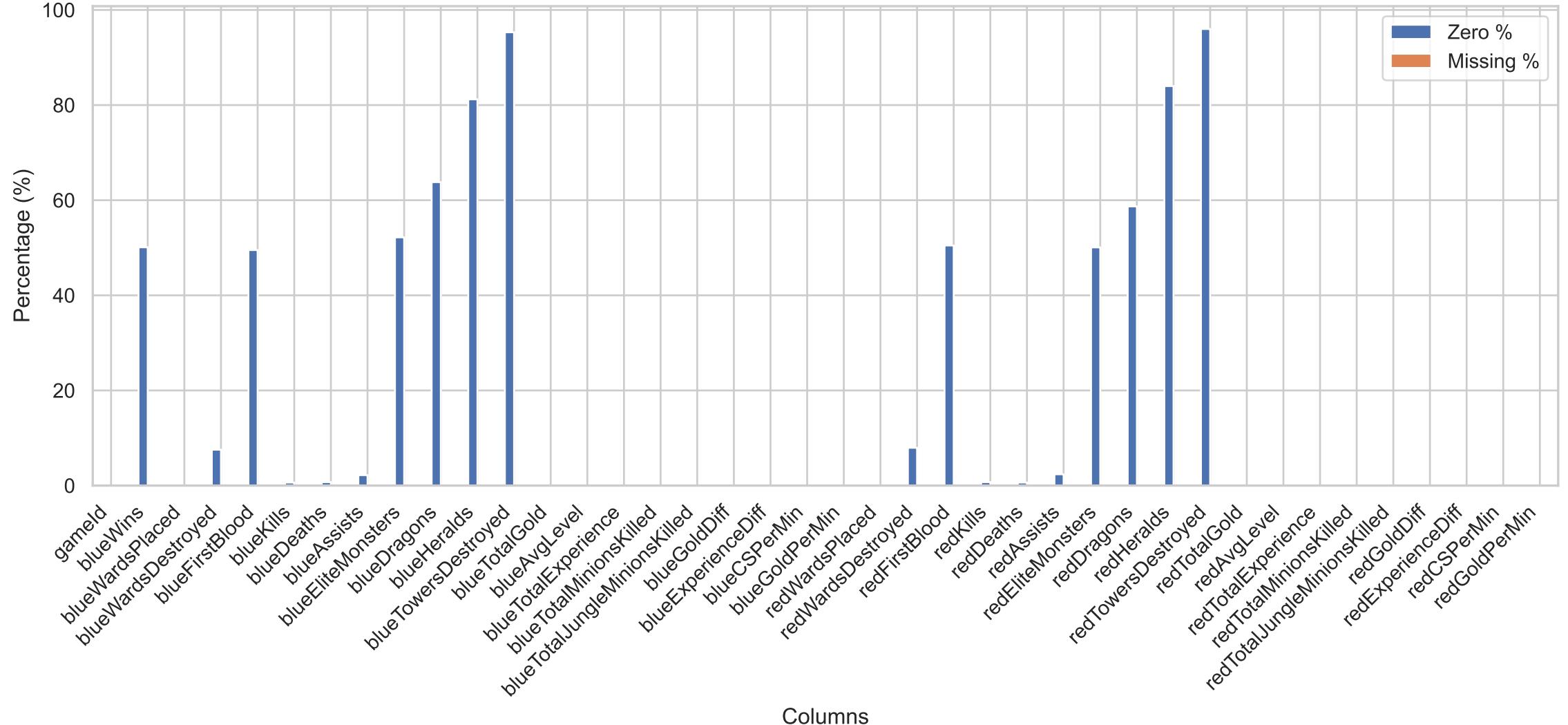


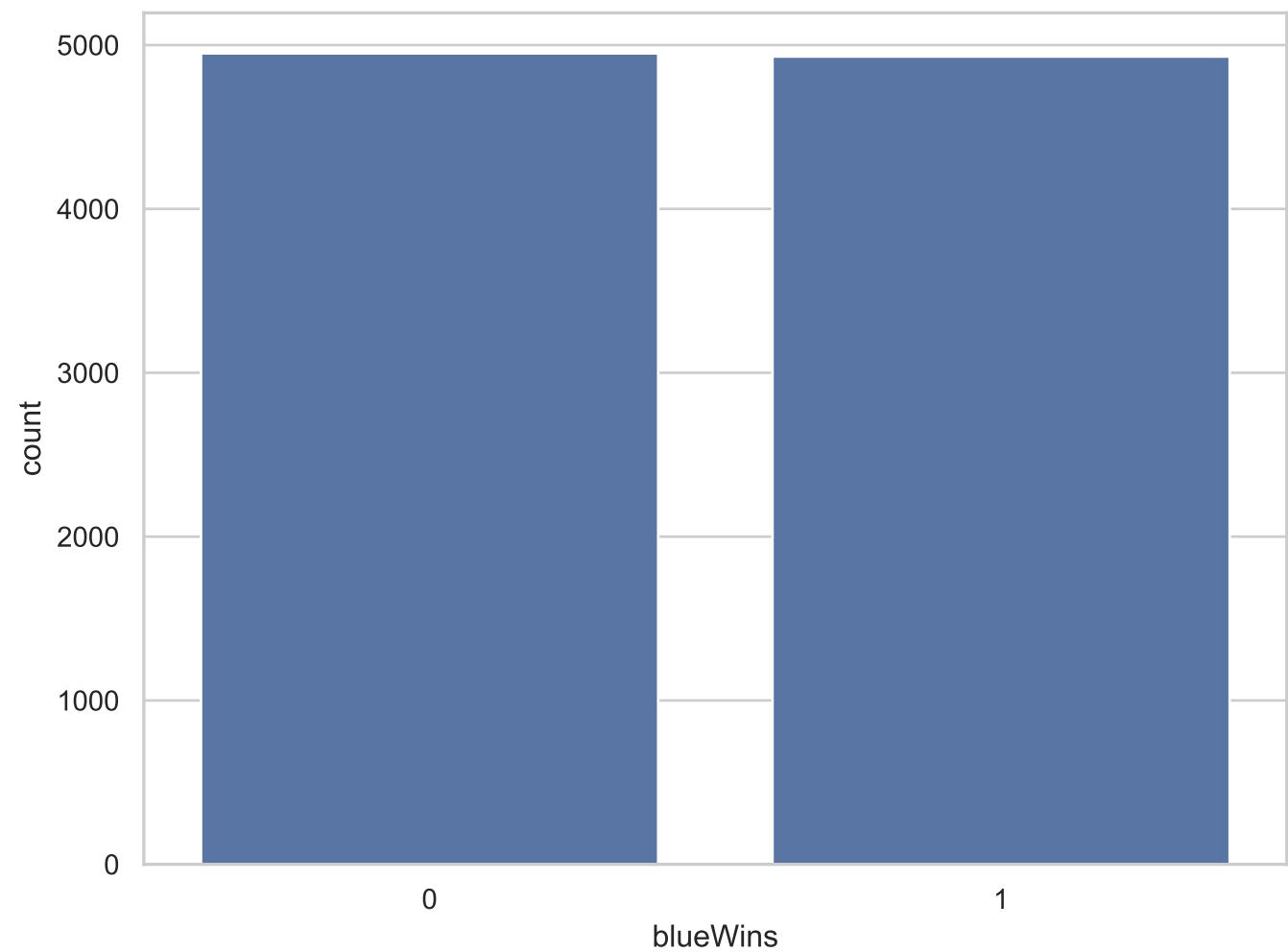
Data Quality Check

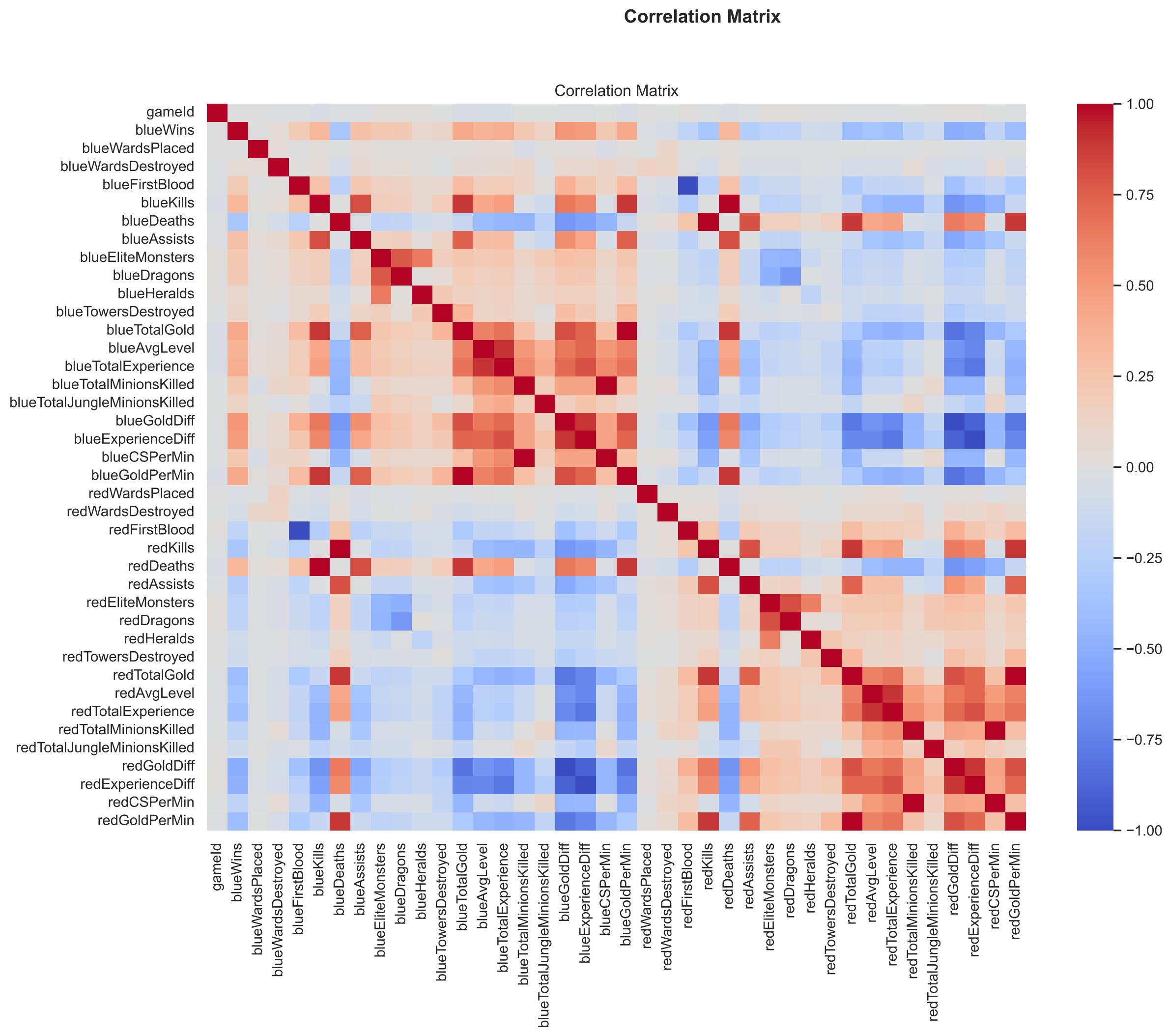
Percentage of Zeros and Missing Values per Column



Class Balance

Class Distribution of Match Outcomes

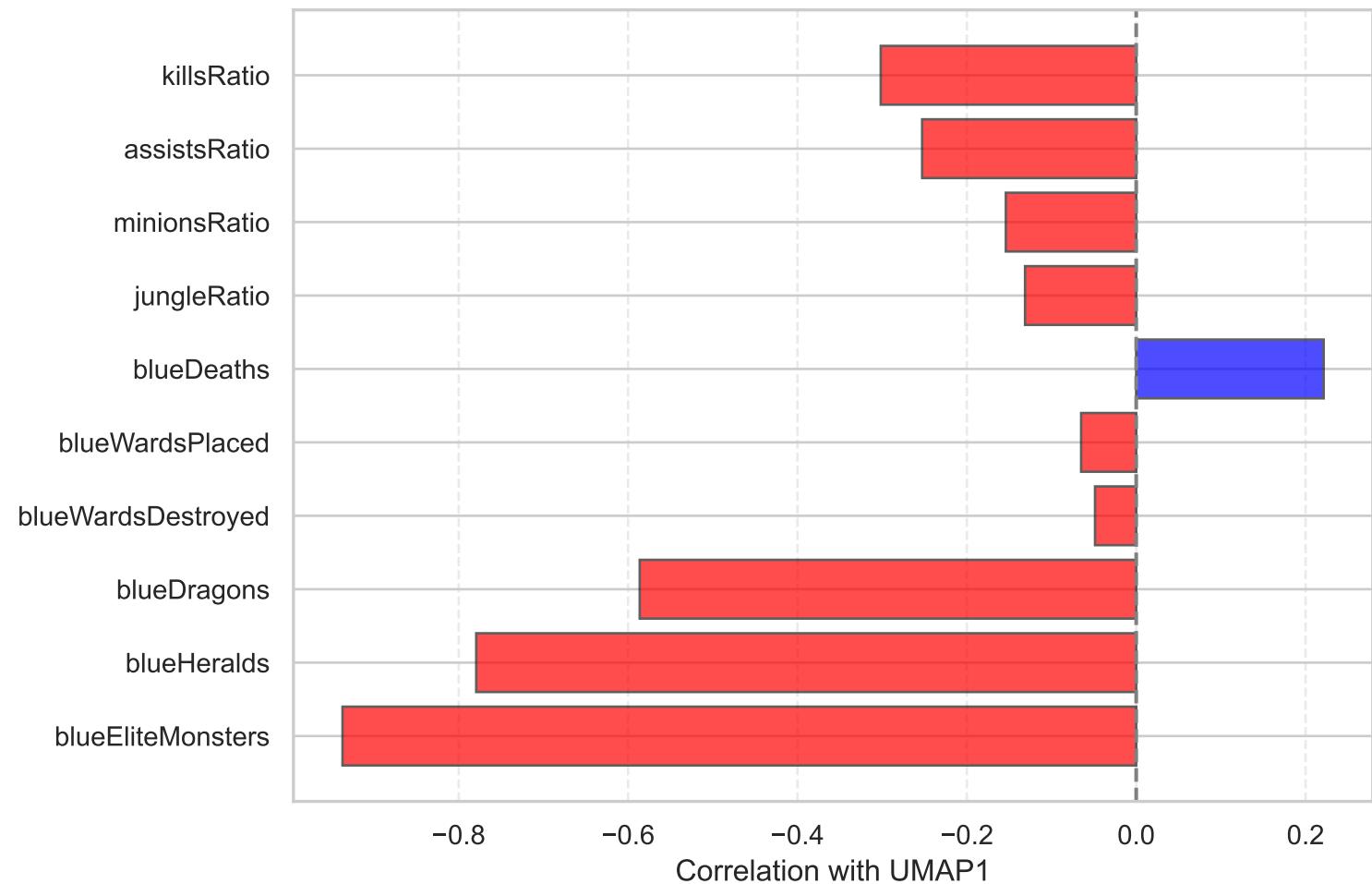




Metric Distributions

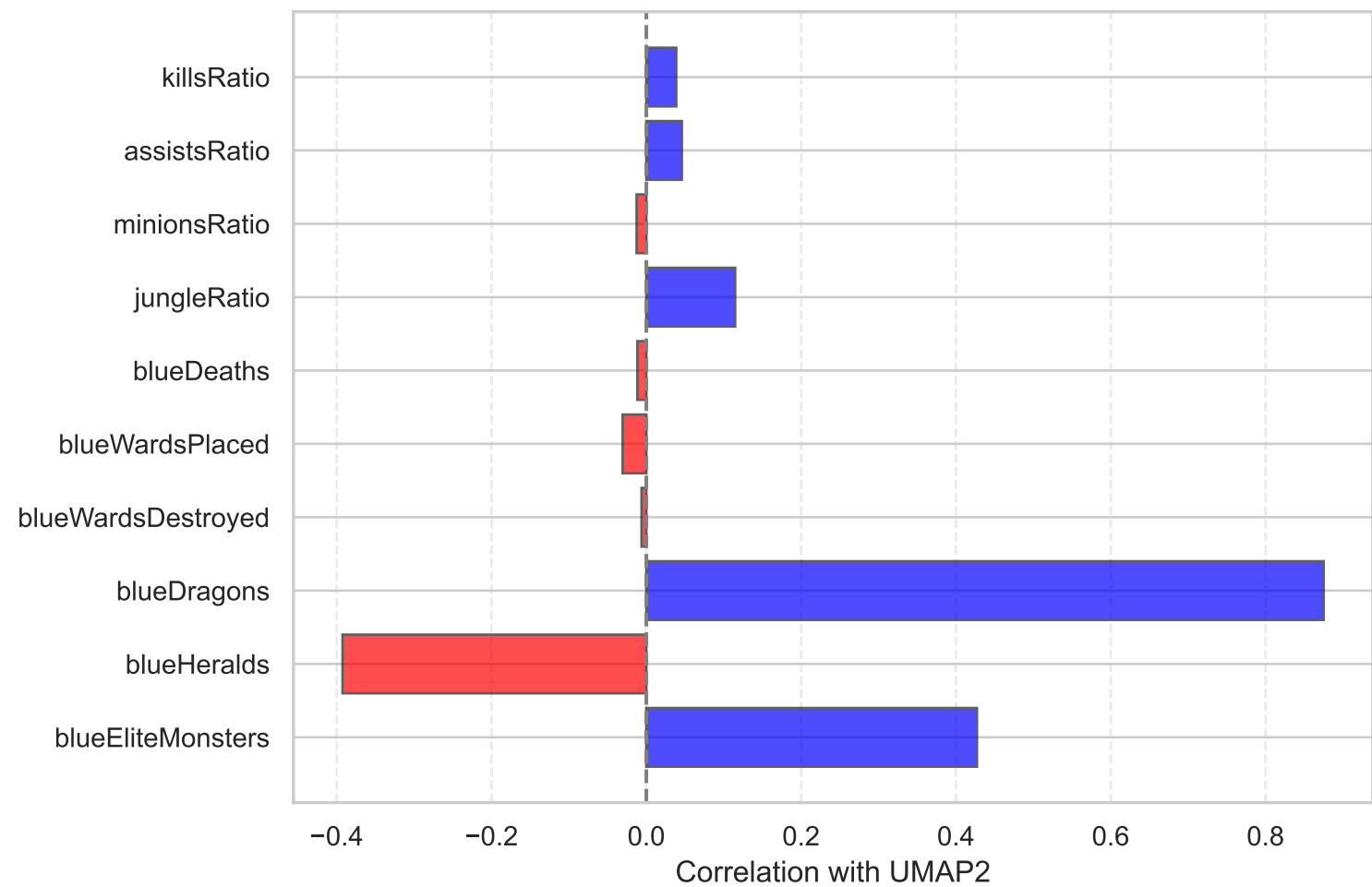
Correlations UMAP1

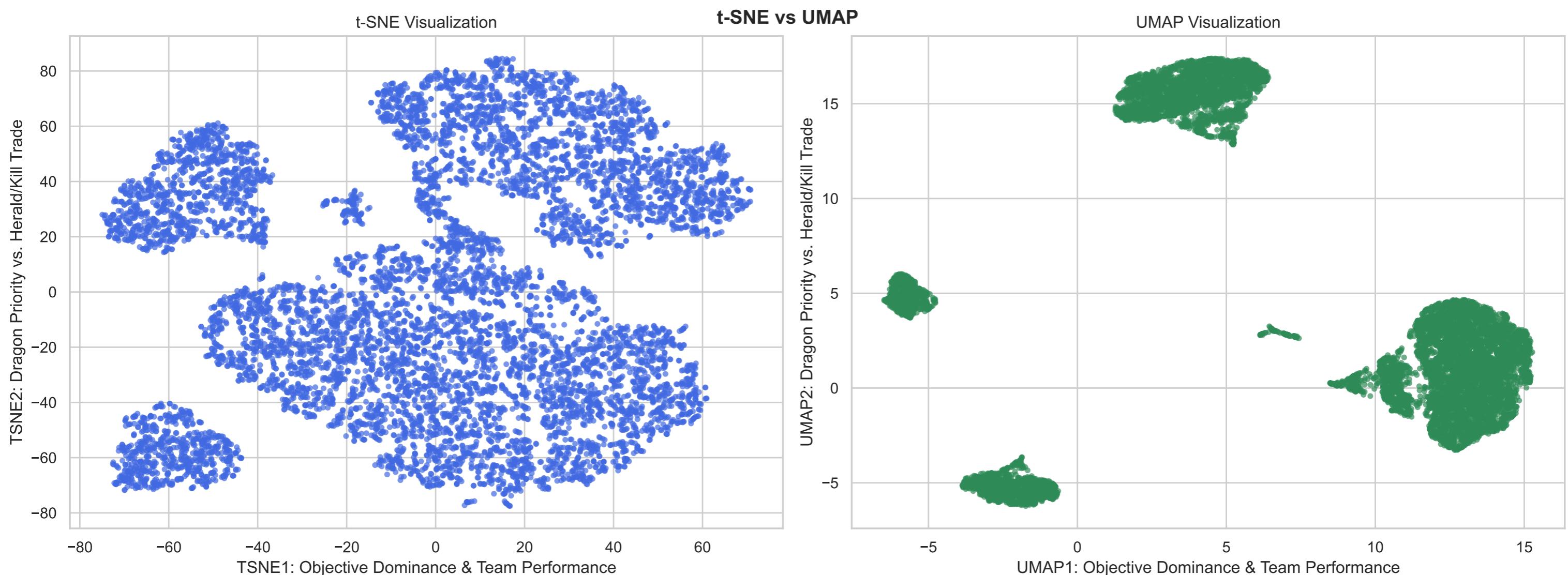
UMAP Feature Correlations - UMAP1

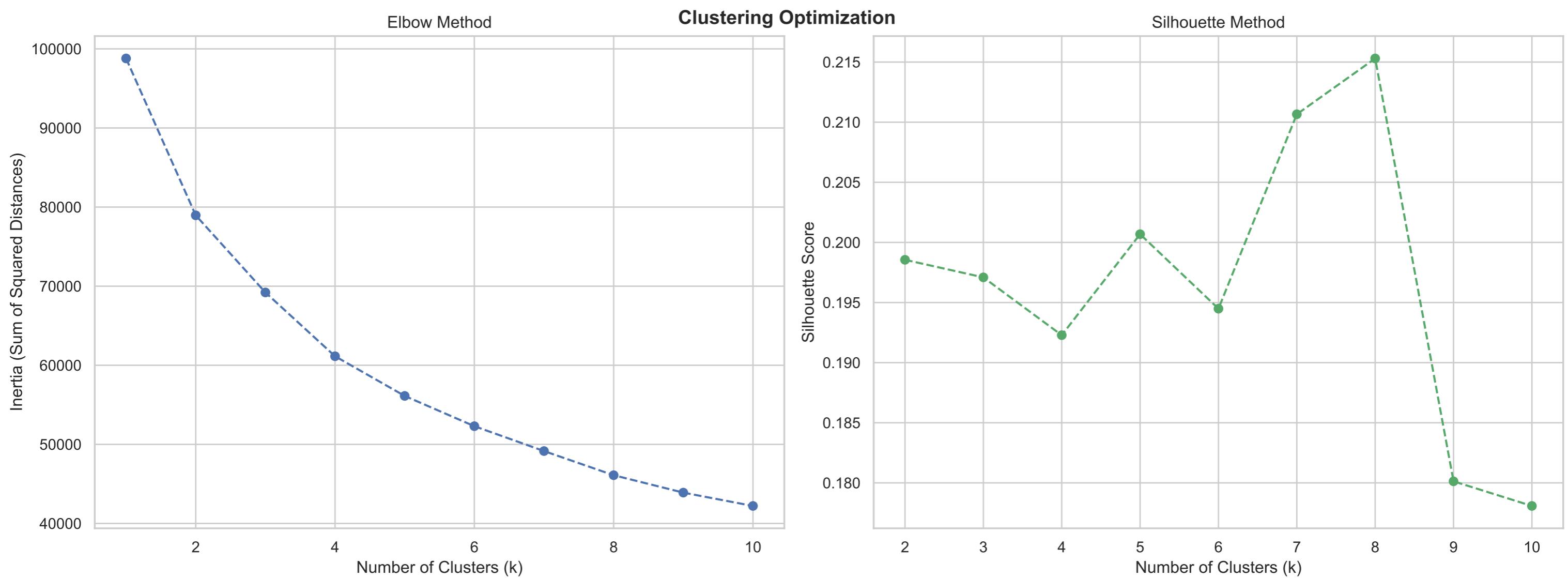


Correlations UMAP2

UMAP Feature Correlations - UMAP2

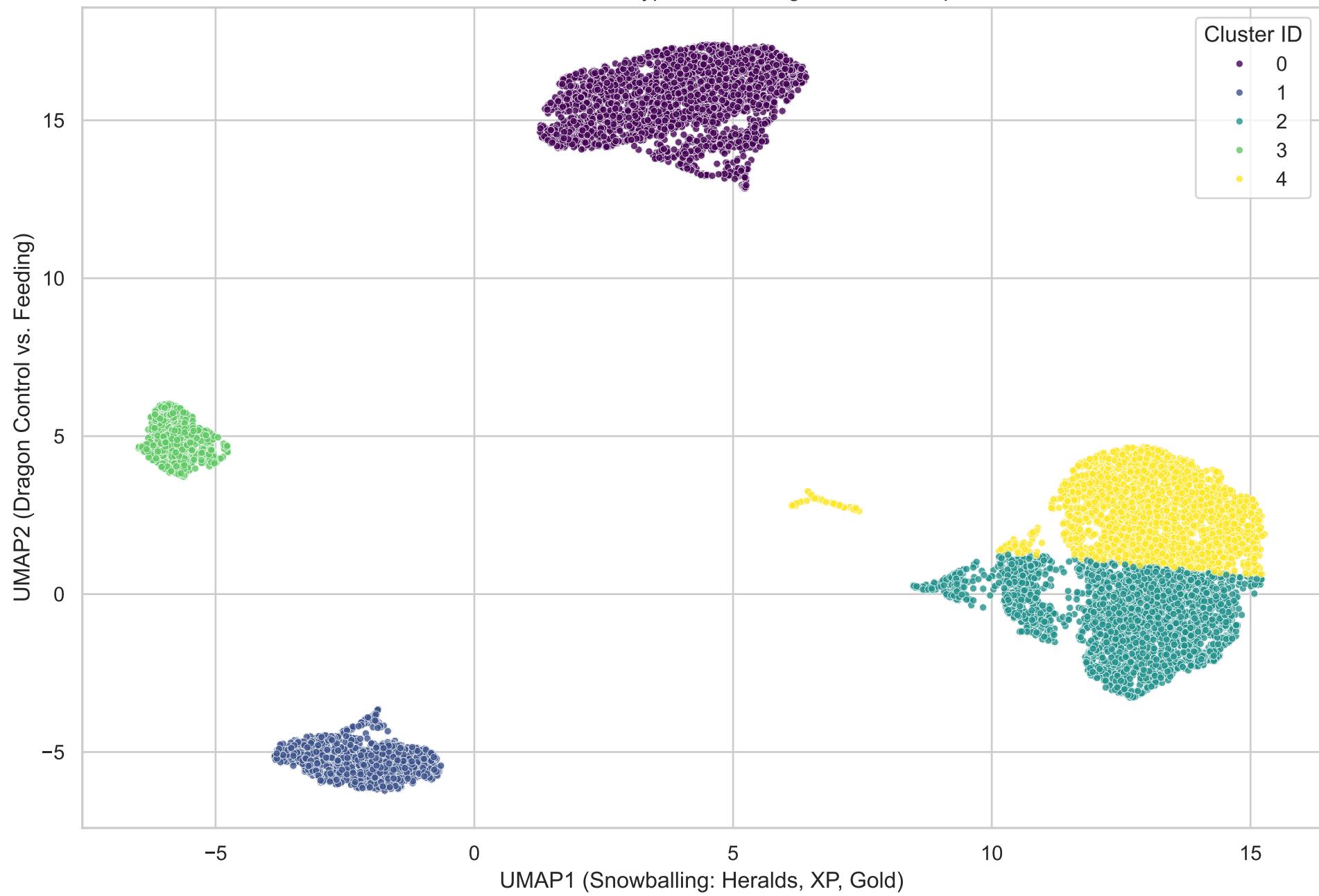






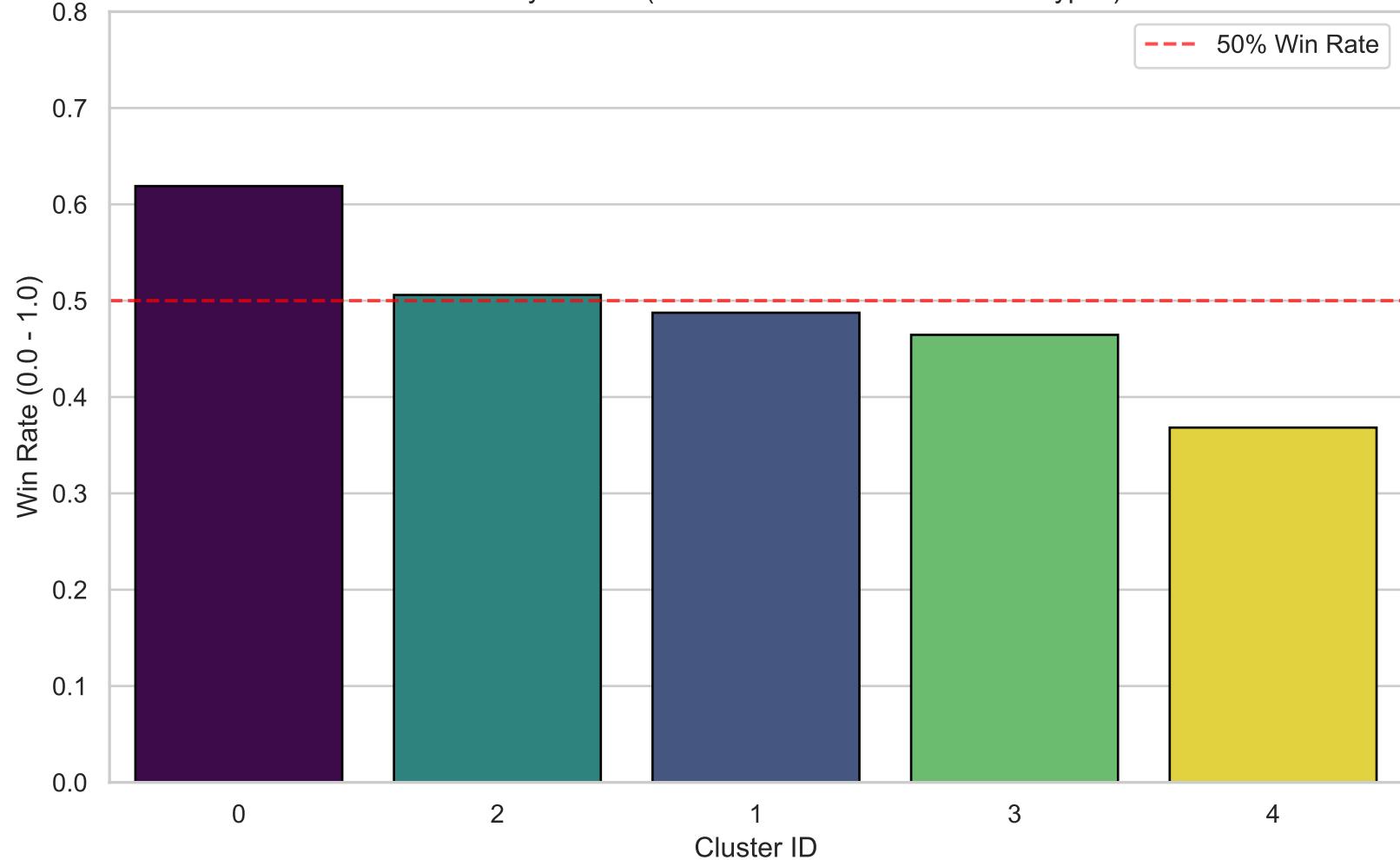
UMAP Clusters

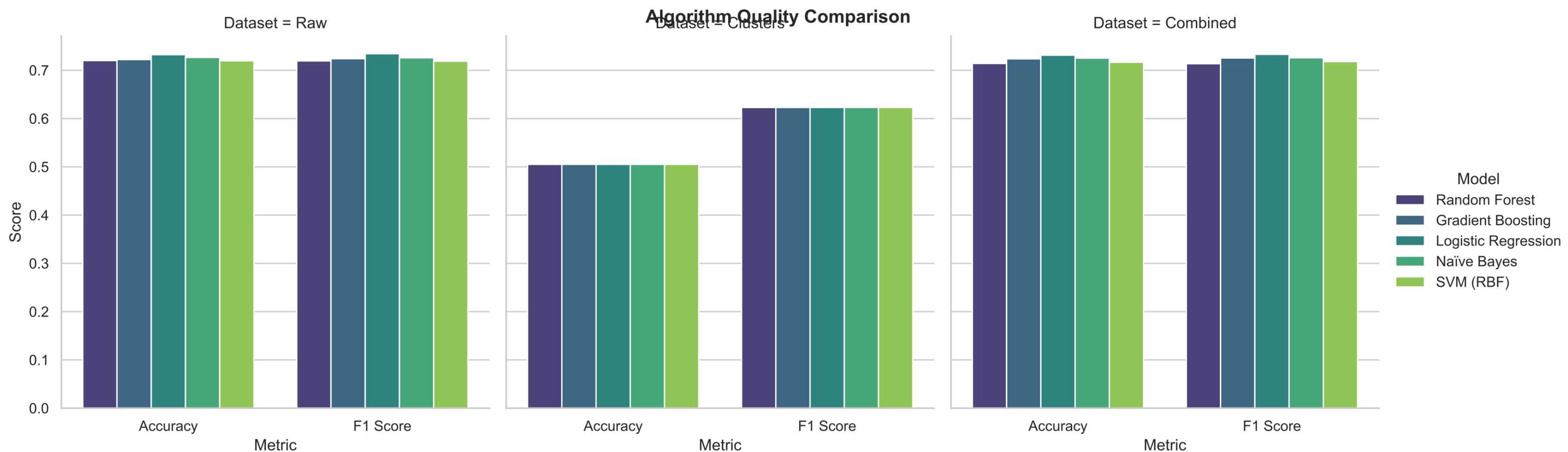
Refined Game Archetypes: Clustering on UMAP Output



Win Rate by Cluster

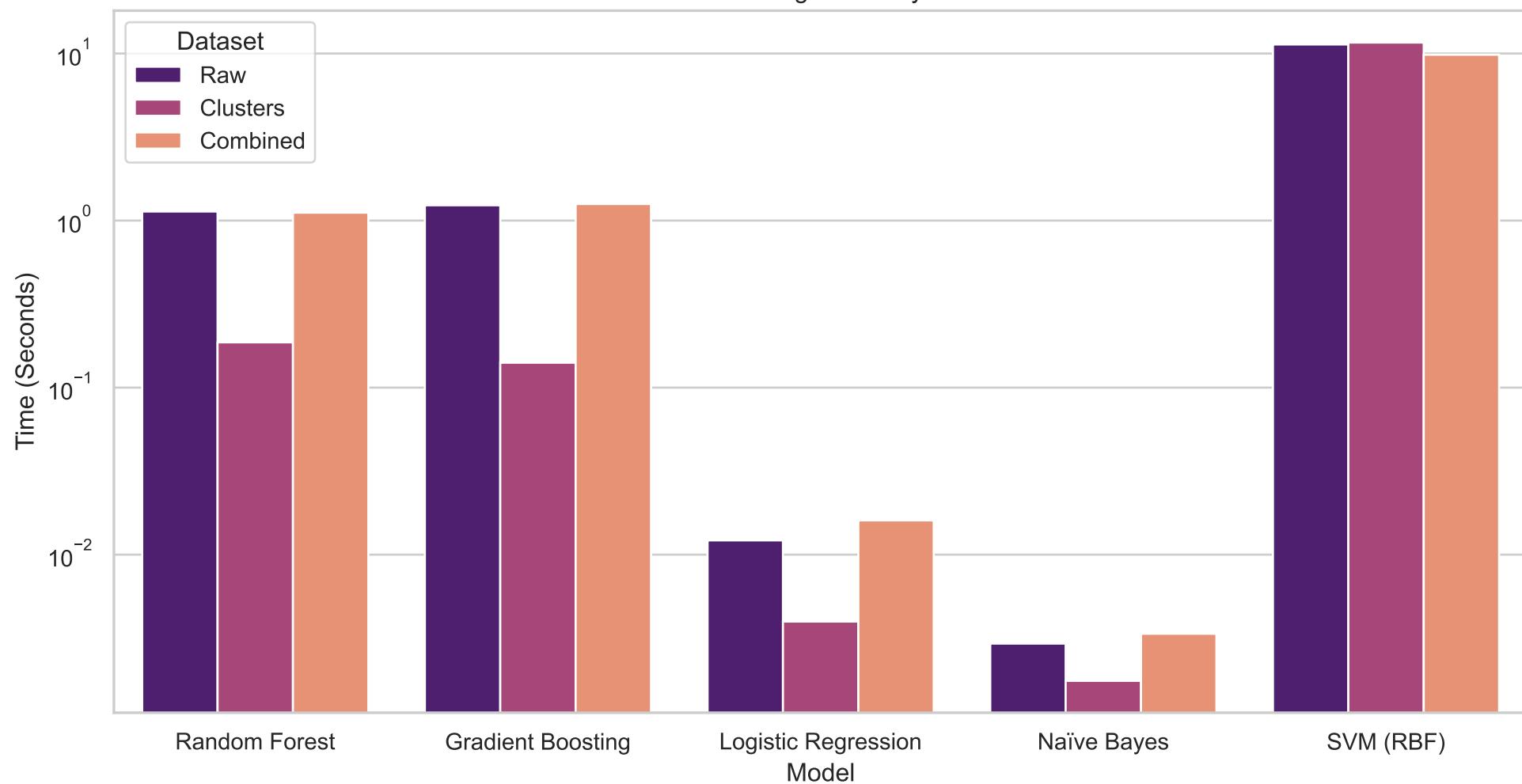
Win Rate by Cluster (Colors Matched to UMAP Archetypes)





Training Efficiency

Training Efficiency



With WinProb (MAE: 412 | R2: 0.9546)

Regression Analysis

Without WinProb (MAE: 412 | R2: 0.9545)

