

Sports Analytics (K-Means ML)

Project Summary

Objective: Automate player scouting by grouping athletes based on multidimensional performance metrics.

Technical Approach: Deployed an Unsupervised K-Means Clustering algorithm with feature scaling (StandardScaler) to ensure unbiased grouping.

Key Findings

The model successfully identified three distinct clusters: 'Elite Impact,' 'High Efficiency,' and 'Developmental Talent.'

This methodology reduces scouting bias by providing objective, data-driven performance tiers.

Visual Data Analysis & Insights

