Performance Insights Hub

Tiago Monteiro | Portugal







Overview

The Chelsea FC Performance Insights Hub is a sophisticated analytical tool developed to translate complex sports performance data into clear, actionable intelligence. Designed for coaching and sports science staff, it utilizes advanced data visualization to support data-driven decision-making aimed at enhancing player performance, minimizing injury risks, and optimizing recovery strategies.

2. Objectives

- Deliver an intuitive and interactive platform for comprehensive player assessment.
- Integrate diverse data streams (GPS, physical tests, recovery metrics, etc.).
- Enable identification of performance trends and anomalies via multidimensional analysis.
- Support evidence-based decisions, particularly for training load management.
- Improve communication and collaboration between performance staff and coaches.



Core Functionality



- Load Demand | Analyzes external physical load, player availability, training quantification, to optimize training cycles and prevent overtraining. Injury History | Tracks current and historical injury data, categorizes risk, and analyzes time loss to inform proactive injury
- Physical Development | Monitors physical testing results, benchmarks performance, visualizes development plans, and tracks progress against individual targets.

prevention strategies.

- **Biography** | Manages player profiles, including background, positional context, and career trajectory, providing essential context for analysis.
- Recovery | Monitors player recovery through nutrition, sleep quality, wellness data, and adherence to protocols, enabling individualized recovery interventions.
- External Factors | Integrates contextual elements like environment, team dynamics, and motivation to provide a more holistic understanding of performance fluctuations.

Technical Implementation

Data Handling