



PlayeRank

Sports Analytics for all

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The team



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Full Professor
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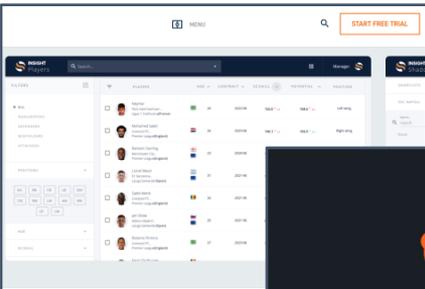


Dino Pedreschi

Full Professor
University of Pisa

Born within SoBigData research project
Further support from starting SoBigData++ EU project and internal PRA project.

The need



hudlsportscode

Fully Customizable Performance Analysis



STATSBOMB Search articles Teams Media Gambling

Inside every **pass**, every **shot**, every **move**.

Market growth of
40%
per year

The need

- *Sports Analytics*: booming market in Italy
 - Actual softwares claim AI usage but do not provide any detail, customization nor explanation
 - AI Explainability is the key to get users/customers trust
- PlayeRank's AI modules are totally configurable and interpretable for the user

Performance Data

1000+ tournaments

200M+ events

200K partite

500K giocatori



Infortuni previsti con precisione: arriva la manutenzione predittiva del calciatore

Stop agli infortuni e mercato al top Con due algoritmi cambia il futuro

● Cnr e Università di Pisa hanno creato due sistemi di intelligenza artificiale

La Gazzetta dello Sport

Un algoritmo per l'azienda calcio: valutare un giocatore come se fosse un'azione

—di Guido Romeo 21 agosto 2018



24 ORE

Publications

L. Pappalardo et. al.
"Multi-dimensional and role-aware rating of soccer player performance",
ACM TIST journal, 2019

Rossi, Alessio, et al.
"Effective injury prediction in professional soccer with GPS data and machine learning",
Plos One journal, 2018

P. Cintia, et. al. ,
"The harsh rule of the goals: data-driven performance indicators for football teams",
DSAA Conference, Paris, 2015

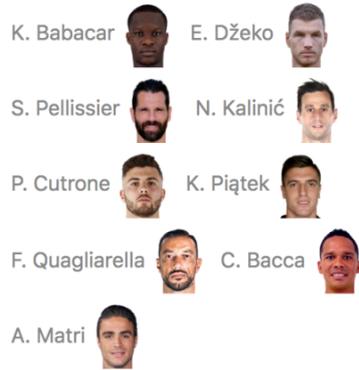
Platform prototype

Mauro Emanuel Icardi Rivero (Internazionale)



years

Similar players:



- Live on playerank.d4science.org
- Currently developing the platform, target: entering the market on 2020

UniPI relationship

- University of Pisa Spin-off to keep a strong relationship with scientific research
- Research collaboration on EU H2020 project SoBigData++
- Sharing private dataset (sports performance, biometric data) for publications, internships and thesis
- Ongoing collaborations with UniPi spinoff (Biobeats) and University of Florence startup (Tracking4fun)



Paolo Cintia

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Performance analysis and prediction

Stress monitoring and Injury forecasting

Tactical pattern analysis

Data Coach & Custom data reports