Universität ZürichUZH

Center for Research in Sports
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Data Science Internship & Master's Thesis
Center for Research in Sports Administration (CRSA) in cooperation with UEFA

Lead the Integration of Online Data Repositories to Support Strategic Off-Pitch Football Research

Project Description

In cooperation with the *UEFA Intelligence Centre,* the CRSA offers a (paid) data science internship position. The ideal candidate will be working together with UEFA's Intelligence Centre team and lead the integration of online data repositories to support strategic off-pitch football research. The students will be allowed to use the datasets for their Master's thesis. Please note that students will need to find their supervisor (e.g., CRSA members) for their thesis.

The UEFA Intelligence Centre aims to identify and ingest a comprehensive set of data repositories in order to enrich the delivery of strategic off-pitch football research. This project will specifically focus on collecting and blending various sources related to demographics and population statistics, mapping, and geolocation data.

The database will activate various valuable analyses and visualization related to:
- Mapping county and state boundaries (e.g., UEFA based map of Europe with breakdown by country/states/regions)
- Football participation across Europe (e.g., identifying level of pitch availability by country and population age group)
- Distances between football related assets and nearest landmarks (e.g., distance of training stadiums to nearest airport or train station)

The candidate will be using APIs and data made available by the UEFA Intelligence Centre team. Support is required for preparing analysis scripts and automation their execution.

Technical Skills Required
- Advanced abilities with data manipulation and preparation.
- Experience working with APIs.
- Fluent with high-level programming languages R (tidyverse) and/or Python (pandas).
- Knowledge of SQL a plus.

Location
Students can work remotely or use one of the office desks at Plattenstrasse 14, 8032 Zurich.

Duration
3 months (depending on availability)

Application
Please send your CV and motivation letter to anil.oezdemir@uzh.ch

Application Deadline:
We are accepting rolling applications but please consider handing in your application before July 15, 2023.