



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

**Support the Development of the Most Comprehensive Strategic Data Landscape
in Women's Football (WF).**

Project Description

In cooperation with the *UEFA Intelligence Centre*, the CRSA offers a (paid) data science internship position. The ideal candidate will be supporting the development of the most comprehensive strategic data landscape in Women's Football. 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.

This project will specifically focus on collecting and blending various strategic data from sources related to WF domestic and international competition match results, player performance statistics, player careers and transfers.

The database will activate various valuable analyses and visualizations related to:

- Competitive balance (e.g., identifying repeat winners across all domestic leagues)
- Player careers (e.g., nationality of club youth player graduations, clubs with most youth team player graduations)
- Player transfers (e.g., total number of player movements by season, mapping of player movement/transfer flows)
- How Using official APIs and data made available. Support is required preparing analysis scripts and automation of their execution. Main Responsibilities
- Automate the integration of Women's Football related data.
- Design a data model for sourced data and establish structured data tables to be accessed and analyzed by business analysts.
- Support data engineer integrate data model within SQL environment.
- Support business analysts analyze and visualize final table outputs.

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.