Winter School 2019-2020
School in Data-driven Sports Analytics

Sports science degree course: President Prof.ssa C. Montomoli

Description

Educational objectives

The relationship between big data and sport has become increasingly stringent, especially now that it is possible to trace - through wearables and devices - any athletic gesture and part of a game or sporting event, obtaining valuable insights for future strategies. The project concerns a training course of "Winter School" and aims to answer two crucial questions: "how to win matches and how do you choose athletes?"

Target population

Sports scientists, trainers, coaches, analysts, sports engineers, sports managers, but also athletes of all sports, statisticians, and all those interested in acquiring skills in Sports Analytics to improve sports performance.

Teaching

The teaching activity will consist of theoretical and practical lessons with a strong involvement of the learners.
University Training Credits (CFU) 4.

Assessment

The course includes a learning test and a satisfaction test. At the end of the course, a certificate of attendance will be issued.

Application deadline

Enrollment

The "Winter School" is free but places are limited.
The application form is online:
https://tinyurl.com/datadrivensportsanalytics. Send it with a personal and **motivational letter** to amorandi@unipv.it by **30 January 2020**.
In the subject of the mail write: surname_Data-driven
Desirable prerequisites
We shall be glad to consider students with an intermediate level of English and Excel.

More info

For more information please visit the Winter school website: https://tinyurl.com/datadrivensportsanalytics
or contact the course coordinator:
Dott.ssa Anna Morandi
Email: amorandi@unipv.it
Tel.: 0382 987540

Scientific commitee

Prof.ssa Cristina Montomoli
Prof. Cosme F. Buzzachera
Dott. Matteo Vandoni
Dott.ssa Anna Morandi

Contents covered

Sports Analytics: to be data-driven

Workshop Sports Analytics: use data in sports

Examples and real-word case

Data and Sport: "#hackmcfc", soccer models

Data and Sport: real data analysis (excel and VBA)

Big data analysis

Digital transformation and innovation

Marketing and social network

The program will be enriched with a dense program of social and cultural activities

Teachers

Gian Piero Cervellera, FootballIntelligence, University of Siena
Massimo Cortinovis, Serial entrepreneur and Digital Media consultant, former major league professional basketball coach
Paolo Raineri, MYagonism
Giuseppe Vinci, Founder of Volleymetrics, Market director in Hudl, former Data Analyst for the Italian Volley National Team, former USA national volleyball consultant
Nic James and Nimai Parmar, Middlesex University London, ISPAS (International Society of Performance Analysis of Sport)
Experts in Sports Analytics

Dates

24-28 February 2020 h. 9-13 14-17

How to get to Pavia

By car: motorway A7 (MI-GE) exit Bereguardo-Pavia Nord. Exits hospitals.

By train: Pavia is on the Milan - Genoa railway line.

Urban bus: station square line n°3, direction Tevere, or Maugeri Mondino, get off at Taramelli-Forlanini stop

Location

Dip. di Sanità Pubblica, Medicina Sperimentale e Forense, Unità di Biostatistica ed Epidemiologia Clinica, Via Forlanini, 2, 27100 Pavia