

INTERNATIONAL SUMMER & WINTER SCHOOL DI ATENEIO
2019/2020

Data-driven Sports Analytics Winter School

Dipartimento di Sanità Pubblica, Medicina Sperimentale e Forense

Programme

Week I

Monday 24 February	Lectures	Professor	
8.45-9.00	Welcome and introductory greetings. Course overview. Students self-presentation	Cristina Montomoli Anna Morandi	Coordinator Sports Science Courses Coordinator of Winter School University of Pavia
9.00-12.00	Data Awakeness We are going to overview why the world is really using data for business and why we should always be data-driven if we want to succeed. We are going to talk about use cases that will show us how the use of data has been useful to solve real issues. It will not be only an envisioning lesson. This aims to be an introductory lesson to the topics that will be discussed in the whole school period.	Paolo Raineri	MYagonism
Lunch 12.00-13.00			
13.00-17.00	Data in sport Case studies and detailed view on where to use data in sports	Paolo Raineri	MYagonism VolleyMetrics. Senior manager
15.00-15.15	Pause		
Free evening			

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Tuesday 25 February	Lectures	Professor	
9.00-12.00	Data Workshop A particular and challenging group work to test how much we've got from the data-approach we should have in life.	Paolo Raineri	MYagonism
Lunch 12.00-13.00			
13.00-15.00	Lectures from third parties: we'll host a speech from a person who deals everyday with data in sports and can give us his personal glance on this world. Massimo Cortinovis He will show us why social media are so important in the sports world. And what are the numbers we have to "stay stick with".	Paolo Raineri Massimo Cortinovis	MYagonism Serial entrepreneur and Digital Media consultant, former major league professional basketball coach.
15.00-17.00	Lectures from third parties: we'll host a speech from a person who deals everyday with data in sports and can give us his personal glance on this world. Giuseppe Vinci will show us what is Hudl as a case study of a sports analytics tool, and he will discuss with the audience around the course topics	Paolo Raineri Giuseppe Vinci	MYagonism Founder of Volleymetrics, Market director in Hudl, former Data Analyst for the Italian Volley National Team, former USA national volleyball consultant
Welcome evening			



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Wednesday 26 February	Lectures	Professor	
9.00-13.00	Data and Sport: "#hackmfc", soccer models	Gian Piero Cervellera	FootballIntelligence University of Siena
Lunch 13.00-14.00			
14.00-18.00	Data and Sport: real data analysis (excel and VBA)	Gian Piero Cervellera	FootballIntelligence University of Siena
16.00-16.15	Pause		
20.00	Social and cultural event		

Thursday 27 February	Lectures	Professor	
9.00-11.00	Introduction: Nimai and Nic What is Performance Analysis?	Nic James / Nimai Parmar	Middlesex University London ISPAS (International Society of Performance Analysis of Sport)
11.00-11.15	Pause		
11.15-13.00	Fundamentals of Performance Analysis of Sport	Nic James / Nimai Parmar	Middlesex University London ISPAS (International Society of Performance Analysis of Sport)
Lunch 13.00-14.00			
14.00-17.00	How do we analyse sport performance?	Nic James / Nimai Parmar	Middlesex University London ISPAS (International Society of Performance Analysis of Sport)
17.00	Social and cultural event		



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Friday 28 February	Lectures	Professor	
9.00-11.00	Group tasks	Nic James / Nimai Parmar	Middlesex University London ISPAS (International Society of Performance Analysis of Sport)
11.00-11.15	Pause		
11.15-13.00	Presentations	Nic James / Nimai Parmar	Middlesex University London ISPAS (International Society of Performance Analysis of Sport)
Lunch 13.00-14.00			
14.00-16.00	Conclusions Self-evaluation questionnaires Diploma ceremony	Cristina Montomoli Anna Morandi	University of Pavia
End of session			