



23-24 May 2022

A short course on

Basketball Data Science

By Paola Zuccolotto and Marica Manisera
University of Brescia



Sponsors



AUEB SAW 2022
6th AUEB Sports Analytics Workshop

Register at: <https://aueb-analytics.wixsite.com/saw2022>

Info



BASKETBALL DATA SCIENCE COURSE PROGRAM



Speakers:

- Marica Manisera (University of Brescia)
- Paola Zuccolotto (University of Brescia)

DAY 1

12.00-16.00 Monday 23/5/2022 (Hybrid)

Lecture 1

- Data science in basketball
- Basketball data
- Introduction to the R package BasketballAnalyzeR
- Basic statistical analyses using BasketballAnalyzeR (1/2)

DAY 2

14.00-18.00 Tuesday 24/5/2022 (Hybrid)

Lecture 2

- Basic statistical analyses using BasketballAnalyzeR (2/2)
- Discovering Patterns in data
- Finding groups in data

Bibliography

- Paola Zuccolotto and Marica Manisera, Basketball Data Science. With Applications in R. CRC Press, 2020.
- Marco Sandri, Paola Zuccolotto, Marica Manisera (2020), BasketballAnalyzeR: Analysis and Visualization of Basketball Data. R package version 0.5.0. <https://CRAN.R-project.org/package=BasketballAnalyzeR>
- Marco Sandri, The R package BasketballAnalyzeR, in: Zuccolotto P. and Manisera M., Basketball Data Science, 2020, Chapter 6.
- Paola Zuccolotto, Marica Manisera, Marco Sandri (2021), Alley-oop! Basketball analytics in R, Significance, 26-31 <https://doi.org/10.1111/1740-9713.01507>

All participants must bring their own laptops fully charged with R and the R package BasketballAnalyzeR already installed.

How to install it: <https://bdsports.unibs.it/basketballanalyzer/>

For any problem, please write to basketball.analyzer.help@gmail.com

All course participants will receive a certificate of attendance if they attend in both four-hour sessions.

SAW 2022

Organized by



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