Data Analytics Modular Course

JUNE 22 – JULY 7, 2020
In the Big Data era, programming skills and data analysis techniques are necessary to acquire independence for critical thinking. This series of classes is aimed at introducing students to such skills, mainly using the open source R-project platform. The final objective is to be able to deliver computationally efficient data analytics solutions.

Data Computing with R (June 22 – July 3, 2020): Most of the course content can be found at http://r.smac-group.com. Main instructor: Prof. Matthew Beckman, Department of Statistics, Penn State University.

Statistical and Machine Learning for Big Data (July 6-10, 2020): This course provides formal training in analytics and skills necessary to apply popular statistical and machine learning methods to high dimensional data using R. Main Instructor: Prof. Si Konda, Division of Epidemiology and Biostatistics, University of Illinois at Chicago.

Time-Based Analytics (July 13-17, 2020): Most of the course content can be found at https://smac-group.github.io/ts/. Main instructor: Prof. Roberto Molinari, Department of Statistics, Penn State University.