



Programme of Course "Data Analytics"

- Code: DT0178
- Type of course unit: Compulsory (Master Degree in Computer Science curriculum NEDAS)
- Level of course unit: Postgraduate Degrees
- Semester: 2

Number of ects credits: (Master Degree in Computer Science) 3 (workload 75 hours)

Teachers: Fabrizio Rossi (fabrizio.rossi@univaq.it)

1	Course objectives	Learn fundamental techniques to examine raw data with the purpose of drawing data-driven decisions.
2	Course content and learning outcomes (dublin descriptors)	<p>Topics of the module include:</p> <ul style="list-style-type: none"> • Introduction to analytics • Data collection, cleaning and preprocessing • Exploratory Data Analysis & Visualization • Statistical inference and regression models • Optimization formulations of data analysis and learning problems
3	Course prerequisites	Basic programming skills, introductory statistic, linear optimization
4	Teaching methods and language	Lectures and practical training Language: English
5	Assessment methods	Assignment