



AQUALity Summer School on “Introduction to Basic Statistical Tools and Data Analysis in Research” (held remotely)

Dates: 23-24 September 2020

This AQUALity Summer School, which had been planned in Ioannina (8 -9 April 2020) and had been cancelled due to COVID19, will be delivered in the form of webinars, developed jointly by the University of Ioannina (UII, Greece) and by Università degli Studi Del Piemonte Orientale Amedeo Avogadro (UPO, Italy).

23 September 2020

9.00-11.00 Basic statistics: ANOVA, Student’s t-test, F test, non parametric tests (*Elisa Robotti*)

11.00-11.15: break

11.15-12.30: Overview on experimental design (*Vasilis Sakkas*)

12.30-13.30: lunch

13.30- 15.00: Introduction to experimental design and statistical background (*Emilio Marengo*)

15.00-15.15: break

15-15-17.00: Full factorial and fractional factorial designs (*Emilio Marengo*)



24 September 2020

9.00-11.00: Multicriteria target functions for optimization (*Elisa Robotti*)

11.00-11.15: break

11.15-12.30: Simplex optimization (*Elisa Robotti*)

12.30-13.30: lunch

13.30-15.30: Exercise on full factorial design (*Elisa Robotti*)

15.30-15.45: break

15.45-17.00: Exercises on ANOVA, Student's t-test, F test, non parametric tests (*Elisa Robotti*)

