Course announcement

Practical biostatistics
Prof. Massimiliano Tognolini (University of Parma)

February 10, 2020 - 8:30 - 10:30
February 11, 2020 - 8:30 – 10:30
February 14, 2020 - 8:30 – 10:30

Classroom F - Pharmacy building

1 ECTS (CFU)

Practical lessons on biomedical data analysis and interpretation. The course will include a prominent amount of exercise by means of Excel e Prism – GraphPad.
The following topics are expected to be addressed

Descriptive statistics:
- distributions, measures of central tendency, measures of dispersion, skewness

Data representation:
- bar plot, whisker plot, scatter plot, low-to-high

Inferential statistics
- population and sample
- comparing a sample with a population, a sample with a sample: t-test, p significance, type I and type II error.
- comparing 2 or more groups: One-way ANOVA, Two-way ANOVA
- simple regression and correlation

Good statistical practices in experimental design and their reporting
Pratical course.
The course is limited to 15 students
Please register before January 24, 2020 by sending a mail to Massimiliano.tognolini@unipr.it

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