

Workshop

Statistical Thinking

The workshop will give you an overview of statistical thinking as applied to clinical research and medicinal sciences. Using the CONSORT Statement, the participants will be encouraged to interact and discuss about what makes a clinical trial (or an experiment) good in the statistical sense. The focus will be on asking questions and getting answers to understand the “statistical thinking” that goes into trials and experiments.

The workshop aims to cover (notionally):

1. Summary statistics, including measure of location, spread and correlation.
2. Good practice for study design and sample selection.
3. Understanding data “uncertainty/variability”, i.e., confidence intervals and hypothesis testing and p-values.
4. Sample size and power calculation.
5. Statistical thinking in real-world scenarios and structured critical thinking

The workshop will be given by **Dr Saghir Bashir**, a statistical consultant at *ilustat*, a data science consulting and training company. He is also a member of Centro de Estatística e Aplicações de Universidade de Lisboa (CEAUL). Saghir has a PhD in Biostatistics and Epidemiology from the University of Cambridge and has been involved in numerous real-life data science projects across both the public and private sectors. His extensive international experience is built on his pragmatic and collaborative nature. A natural communicator, Saghir actively engages his audience during his presentations, courses, and workshops, fostering an interactive and enriching learning experience.

Website: <http://www.ilustat.com/>

Github: <https://github.com/ilustat/>

CEAUL: <https://ceaul.org/>

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