Statistical methods in psychiatric research

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Abstract

This course aims to present and discuss statistical methods in order to create a proper database, select appropriate statistical methods in the analysis of Psychiatric Research studies, use different types of designs having in account the pros and cons of each of them, present findings of a statistical analysis in a clear, concise and understandable way, identify the strengths and weaknesses of a research study and assess the usefulness and validity of the research findings. To attain these objectives case studies will be debated. After the course the participants will be able to appreciate the role of statistical methods in epidemiology, develop skills in presenting quantitative data, appreciate the sampling variation and the role of statistical methods in quantifying variation and testing hypotheses, use appropriate statistical methods in the analysis of datasets, interpret outputs and present findings from the statistical analysis. This will be a course intended for students with just a basic knowledge of the common statistical methods used in medical research. Previous computing experience is not required although it would be helpful.