

Data Analysis Trends: Automated EDA

Speaker



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When



Tuesday, 12am

Where



Barcelona
Biomedical
Research
Park

Room: Ramón y Cajal
C/Dr. Aiguader, 88
08003 Barcelona

Addressed to

- ✓ Principal Investigators
- ✓ Lab Managers
- ✓ Data Analysis Technicians

Exploratory Data Analysis (EDA) is a well-established statistical tradition that provides conceptual and computational tools for discovering patterns to foster hypothesis fine tuning and their further development.

These tools and attitudes complement the use of significance and hypothesis tests used in Confirmatory Data Analysis (CDA). Even when well-specified theories are held, EDA becomes an ideal aid to CDA at the interpretation stage, which may then deliver insightful unexpected patterns in the data.

EDA tradition dates back to the early 1960s but the tools and procedures that are currently used have not evolved to handle the increasing volume of data, speed and complexity of our research projects, at least not in an efficient manner.

This seminar introduces the concept of **Automated EDA** as a high-throughput analysis method to get the most out of our resources while addressing the broad question of “what is going on here?”.

Agenda:

1

Introduction
to Automated EDA

15 min

2

Case Study
Adult neurogenesis

30 min

3

Debate
How can Automated EDA
help me?

15 min



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