

# Workshop on Machine Learning for the Analysis of Educational Problems

January 17, 2024

ISEG, University of Lisbon

This one-day course is designed to provide participants with a general understanding of Machine Learning (ML) methods and their applications in the field of education. Participants will learn how to apply ML models to educational problems, compare different methods to traditional linear models, and understand the advantages and limitations of each approach.

## Schedule

09.30 – 09.45: Welcoming session

09.45 – 10.45: Introduction - why ML methods in educational research

10.45 – 11.00: Coffee Break

11.00 – 12.45: Math behind ML methods

12.45 – 13.45: Lunch break

13.45 – 15.00: R-Lab: guided use of ML techniques

15.00 – 15.15: Coffee break

15.15 – 16.30: Group work

16.30 – 17.00: Groups presentations and discussion

## Instructors:

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