# Data Visualization and Modelling
# Part 1: Introduction to R
in
Master in Modelling for Science and Engineering, UAB

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# Outline of the course

1. **Part 1:** Introduction to R + Reproducible Research (6h) (Juan R Gonzalez).
2. **Part 2:** Data Simulation, Boostrapping and Permutation testing (18h) (Pere Puig).
3. **Part 3:** Bayesian Networks (12h) (Rosario Delgado).

NOTE: Slides, papers, R code, software, etc. will be available at *Campus Virtual*.

# Assessment

1. Continuous assessment - 3 assessments during the course, weighted as 15%, 50%, 35% corresponding to each part.
2. Each lecturer will explain their own type of assessment.
3. **Part 1 assessment**: Daily homework + final project (individual simple/small real data analysis with R and knitr/Markdown).

# Credits

Part of this material has been prepared by Dr. Norma Bargary, University of Limerick.