

## LOCAL ORGANIZING COMMITTEE

DEPARTMENT OF COMPUTER, CONTROL, AND  
MANAGEMENT ENGINEERING ANTONIO RUBERTI



**SAPIENZA**  
UNIVERSITÀ DI ROMA

### *Organising Committee*

Alessandro Avenali

Giuseppe Catalano

Cinzia Daraio (*Director of the Course*)

### *Technical Support*

Simone Di Leo

Giammarco Quaglia

## FOLLOW US



[www.risis2.eu](http://www.risis2.eu)



[facebook.com/risis.eu](https://facebook.com/risis.eu)



[@risis\\_eu](https://twitter.com/risis_eu)



RISIS2 EU Project

## ORGANIZATIONAL DETAILS

### *Practical details*

- No fees to be paid by European participants
- To all accepted participants will be provided information about the software programs that will be used during the course
- Participants have to install R and Matlab on their computer to attend the course

### *Facilities Supplied*

- Background material
- Slides of the course
- Practical exercises on the software that will be used during the course
- Programs for running and implementing the proposed methods

### *Deadline*

**10 March 2021**

### *Information*

[giammarco.quaglia@uniroma1.it](mailto:giammarco.quaglia@uniroma1.it)

[dileo@diag.uniroma1.it](mailto:dileo@diag.uniroma1.it)

# RISIS



RESEARCH INFRASTRUCTURE FOR SCIENCE  
AND INNOVATION POLICY STUDIES

## *Advanced Benchmarking Models and Techniques*

*Online*

*Methodological Course*

**22-25-29 March 2021**

*Sapienza University of Rome*

*Italy*



This project is funded by the European Union  
under Horizon2020 Research and Innovation  
Programme Grant Agreement n°824091

## COURSE OBJECTIVES

- Introduce the participants to the importance of Performance models and methods for research and higher education studies;
- Provide the participants with the basic knowledge for understanding and using quantitative performance techniques in their field;
- Propose an overview on the available tools for implementing performance and efficiency analysis techniques in their context of application;
- Offer tutorials on the main softwares that will be used during the course;
- Encourage the participants to explore the proposed tools with their own datasets;
- Offer the possibility to interact with the course's lecturers to have advice on their own specific needs.

## PROGRAM AND CONTENTS

### **Day 1: Monday 22 March 2021**

9:00 -9:15 Welcome of participants and Introduction to the course  
09:15-11:00 Lecture: A Conceptual framework for performance modeling (Cinzia Daraio)  
Break  
11:30-13:00 State of the art of quantitative performance measurement techniques (Cinzia Daraio)  
14:30-16:00 Laboratory session -Tutorial on R (Thyago Nepomuceno)  
Break  
16:30-18:00 Laboratory session -Tutorial on Matlab (Simone Di Leo and Giammarco Quaglia)

A midweek virtual meeting/appointment will be scheduled to help and support in the group exercises:

**Thursday 25 March 2021 from 12 a.m. to 3 pm.**

### **Day 2: Monday 29 March 2021**

9:00-9:45 Group presentation (first block)  
Break  
10:00-10:45 Group presentation (second block)  
Break  
11:00-11:45 Group Presentations (third block)  
Break  
12:00-12:30 Closing session and take away (Cinzia Daraio)

## AUDIENCE TARGETED

Target audience for this course are researchers in research policy and higher education with a quantitative orientation, which aim to extend their competence to Performance modeling and estimation techniques.

## REQUIREMENT FOR PARTICIPATION

Basic requisite for admission will be:

- Knowledge of basic principle of statistics and basic programming
- Have R and/or Matlab installed on your computer

No other prerequisites are requested.