

DEPARTMENT OF COMPUTER, CONTROL, AND  
MANAGEMENT ENGINEERING ANTONIO RUBERTI



SAPIENZA  
UNIVERSITÀ DI ROMA

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RISIS2 EU Project

### Online course including:

- On-line lectures presenting the main techniques of Information Quality implemented in the Visual Analytics Environment (VAE)
- Group exercises where participants will experiment the different approaches available in the VAE on real datasets from RISIS
- Plenary discussion on the exercises carried out

**Cost and Fees:** No registration fees to be paid by European Participants

**Registration:** send the application form and CV by email at [dileo@diag.uniroma1.it](mailto:dileo@diag.uniroma1.it)

**To ask the certificate of participation** write an email at [giammarco.quaglia@uniroma1.it](mailto:giammarco.quaglia@uniroma1.it)

**DEADLINE FOR REGISTRATION**  
**April 20<sup>th</sup>, 2022**

# RISIS



RESEARCH INFRASTRUCTURE FOR SCIENCE  
AND INNOVATION POLICY STUDIES

DEPARTMENT OF COMPUTER, CONTROL, AND  
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### Methods in Action Series

## Interactive Assessment of Information Quality through Visual Analytics

**May 2<sup>nd</sup>-9<sup>th</sup>, 2022**



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under Horizon2020 Research and Innovation  
Programme Grant Agreement n°824091

## COURSE OBJECTIVES

- Dealing with data and information quality
- Presenting the most used techniques for assessing Information Quality of Performance Models
- The components of the VAE Software include:
  - a. Correlation Analysis,
  - b. Map Analysis,
  - c. Mono dimensional Analysis,
  - d. Multidimensional Analysis,
  - e. Autocorrelation Analysis,
  - f. Feature Importance Analysis,
  - g. Ratio Analysis,
  - h. Anomalies checks,
  - i. Consistency Checks
  - j. Time Series Forecasting.
- Test the the Visual Analytics Environment (VAE) Software using real datasets from RISIS

## PROGRAM AND CONTENTS

### 2<sup>nd</sup> May 2022

9:00–09:15 Introduction to the Course  
09:15–10:15 Lecture: A Visual Analytics Approach for the Assessment of Information Quality of Performance Models by **Marco Angelini**  
10:30–11:30 Visual Analytics Environment (VAE) Software tutorial by **Luca Urban**  
11:30–12:00 Task assignment

### 5<sup>th</sup> May 2022

13:00–15:00 interim discussion with groups lead by **Marco Angelini and Luca Urban**

### 9<sup>th</sup> May 2022

9:00–11:00 Group presentations  
11:00–12:00 Final discussion and assessment of the used Software

## AUDIENCE TARGETED

The course aims at involving participants among the following categories:

- Early career researchers
- PhD students
- People from the policy making world wishing to extend their analytical capabilities
- Data scientists interested in knowing the potentialities of the
- Visual Analytics Environment (VAE) Software

## REQUIREMENT FOR PARTICIPATION

Basic requisite for admission will be:

- Knowledge of basic principle of statistics
- During the course the Visual Analytics Environment (VAE) Software will be introduced, presented and let available to participants
- Before the beginning of the course, we will provide participants with basic materials and readings