

#PisaDataAudit

Summer School

Public auditing and accountability.
Data mining and analytics: what
implications for auditing

Pisa, 23 - 27 July 2018

Rector, University of Pisa

Paolo Maria
Mancarella

Welcome Speech



ECA, Member for Audit Quality Control

Danièle Lamarque

Opening remarks



The Summer School



The aim

The Summer school aims to:

- examine emerging global issues particularly relevant for the audit profession
- identify and assess related risks
- analyse opportunities
- evaluate methods and solutions
- appraise tools and technologies
- promote professional standards and ethics

The issue we want to face

Today, the potential for capturing and processing data digitally uncovers **new audit opportunities** that the audit organisations can ill afford to neglect.

But incorporating analytics into audit is not without its (professional and organisational) **challenges**.

Making sense of data requires combining **diverse disciplinary competences**.

For this reason, today more than ever, **audit profession and research must advance hand-in-hand**.



CORTE
DEI CONTI
EUROPEA

ACCA

Think Ahead

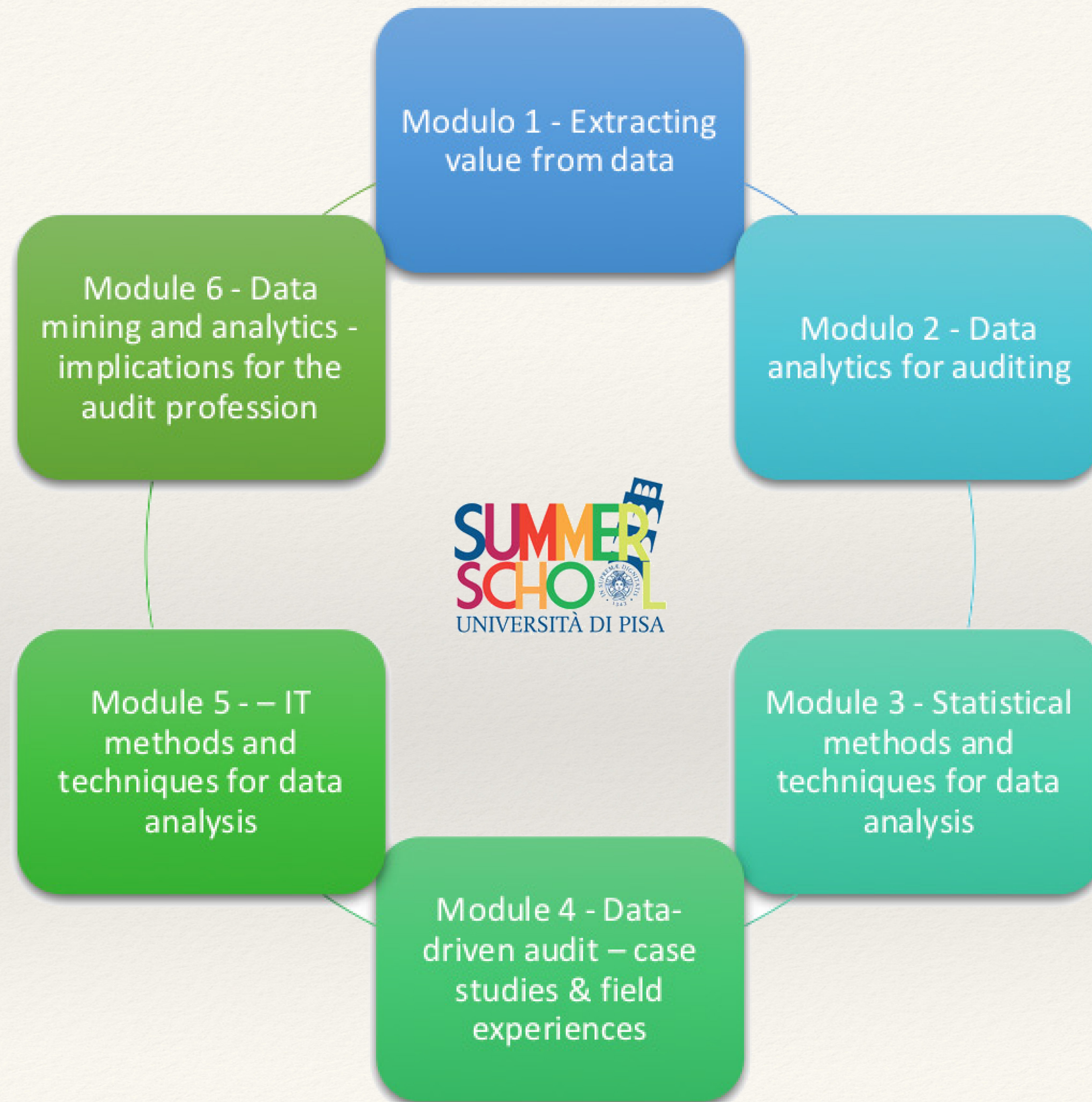
Six modules

Making sense of data requires combining **diverse disciplinary competences**.

To this purpose, the **Summer School offers a mix of knowledge and skills on the methods and technologies** for the processing of large, heterogeneous and complex data for audit.

The **skills of the data analysts** will interact with the **auditors' professional mindset and approach**.

The six modules will introduce the participants to both the **general skills** necessary for data processing & the **theory and practice of data analytics for audit**.



Teachers

- ❖ Giovanna Colombini, University of Pisa – Department of Political science
- ❖ Eduardo Ruiz Garcia, European Court of Auditors – Secretary General
- ❖ Gavin Ugale, OECD (Public Sector Integrity) - Policy Analyst and Portfolio Manager
- ❖ Gianluca Dini, University of Pisa - Department of Information Engineering
- ❖ Fabiana di Porto, University of Salento – Department of administrative law
- ❖ Giuseppe D’Onza, University of Pisa - Department of economics
- ❖ Mirco Nanni, ISTI-CNR & Pisa KDD Lab - Knowledge Discovery and Data Mining Laboratory
- ❖ Jakub Piskorski, JRC-ISPRA - The EU Competence Centre on text mining and analytics: JRC (Ispra)

Teachers

- ❖ Michael Kell, National Audit Office (United Kingdom)- Director of Analytical Services
- ❖ Miklos A. Vasarhelyi, Rutgers University
- ❖ Nicola Castellano, University of Pisa - Department of economics
- ❖ Magdalena Cordero, ECA Director – Information, Workplace and Innovation
- ❖ Fernando Reis, Eurostat – Big data statistician
- ❖ Vincenzo Mauro, University of Pisa
- ❖ Barbara Pacini, University of Pisa
- ❖ Monica Pratesi, University of Pisa
- ❖ Francesco Marcelloni, University of Pisa

The teaching and learning approach

The School will **apply research-based knowledge to the practical contexts.**

The School aims to create a teaching and seminar environment conducive to fostering **experiential learning**

Allowing participants to debate new concepts, ideas and challenges.

In particular, the Module 4 – Data-driven audit – case studies & field experiences is open for the participants' contributions.

A final round table, chaired by ACCA, will focus on the implications of data analytics for the audit profession.



You, the participants

More than 40 participants from different backgrounds:

- ❖ **Ph. D. candidates (2)**
- ❖ **Auditors from private sector (3)**
- ❖ **Officials from EU Institutions:**
 - ❖ European Court of Auditors (16)
 - ❖ European Court of Justice (2)
 - ❖ European Commission (2)
 - ❖ European Investment Bank (1)

You, the participants

Officials from SAIs

- ❖ Austria (1)
- ❖ Belgium (3)
- ❖ Denmark (1)
- ❖ Estonia (1)
- ❖ Finland (2)
- ❖ France (1)
- ❖ Germany (1)
- ❖ Italy (3)
- ❖ Lithuania (1)
- ❖ Malta (1)
- ❖ Sweden (2)
- ❖ Switzerland (1)



Let's start our journey

Welcome to Pisa...

