



Learn2Analyze

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Knowledge Alliances (Key Action 2)

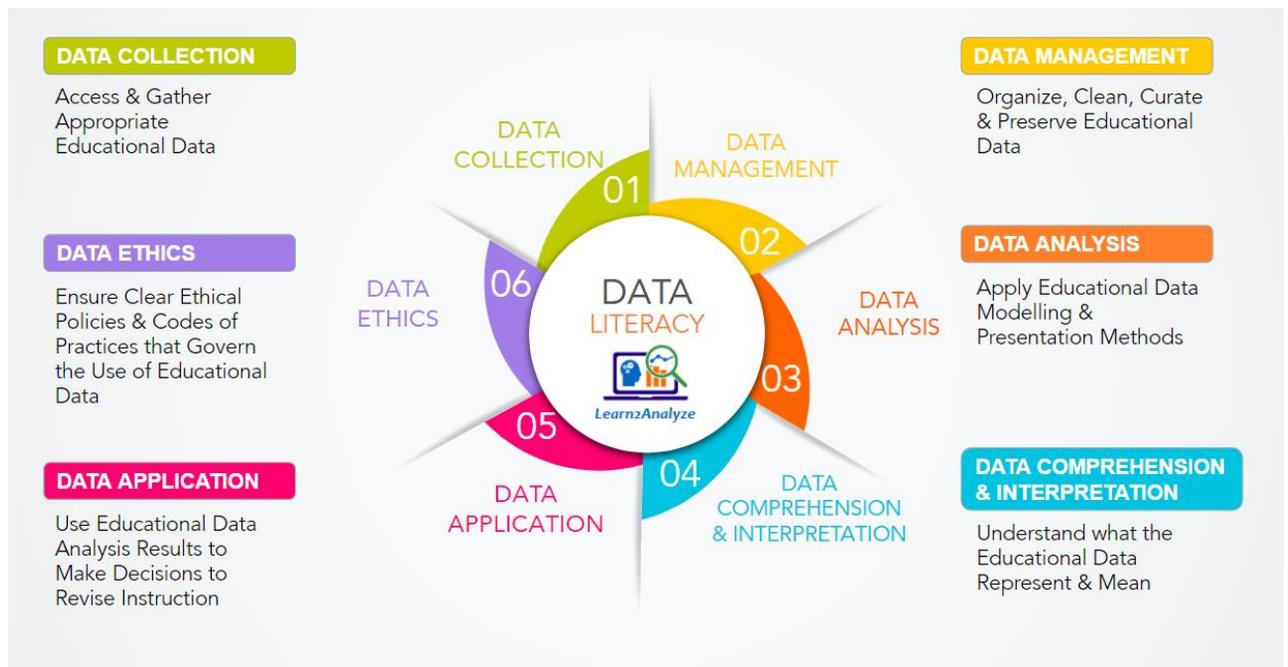
AGREEMENT NUMBER: 2017 - 2733 / 001 – 001

PROJECT NUMBER:

588067-EPP-1-2017-1-EL-EPPKA2-KA

# Learn2Analyze MOOC

## Learn to Analyze Educational Data and Improve your Blended and Online Teaching



Enroll in the Learn2Analyze MOOC and earn your free Certificate of Achievement in Educational Data Literacy



Co-funded by the Erasmus+ Programme of the European Union

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## Course Data

### Start Date:

October 21th, 2019

### End Date:

December 14th, 2019

### Pre-Requisites:

None

### Duration:

8 weeks

### Time Commitment:

68 hours in total

### Level:

Introductory

### Language:

English

Cost: None

## Target Audience

- ✓ instructional designers and e-tutors of online and blended courses
- ✓ school teachers of blended learning courses (using the flipped classroom model)
- ✓ university students

The learning outcomes of this course cover the set of competences anticipated by the Learn2Analyze Educational Data Literacy competence framework (L2A EDL-CP).

More information about the project is available at:

[www.learn2analyze.eu](http://www.learn2analyze.eu)

## About the Course

Hello and welcome to the **Learn to Analyze Educational Data and Improve your Blended and Online Teaching** Massive Open Online Course (MOOC).

This MOOC aims to support the development of the basic competences for Educational Data Analytics of Online and Blended teaching and learning.

It combines

- **theoretical knowledge** on core issues related to collecting, analysing, interpreting and using educational data, including ethics and privacy, with
- **practical experience** of applying educational data analytics in three different e-learning platforms, namely, Moodle, the eXact Suite and the IMC Learning Suite.

The MOOC is developed by an international Academia-Industry consortium within the action **Learn2Analyze — An Academia-Industry Knowledge Alliance for enhancing Online Training Professionals' (Instructional Designers and e-Trainers) Competences in Educational Data Analytics** which is co-funded by the European Commission through the **Erasmus+ Program** of the European Union (Cooperation for innovation and the exchange of good practices - **Knowledge Alliances**, Agreement n. 2017-2733 / 001-001, Project No 588067-EPP-1-2017-1-EL-EPPKA2-KA).

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## What you will learn

By completing this course you will:

- *know* where to locate useful educational data in different data sources and *understand* their limitations;
- *know* the basics for managing educational data to make them useful, *understand* relevant methods and *be able to use* relevant tools;
- *know* the basics for organising, analysing, interpreting and presenting learner-generated data within their learning context, *understand* relevant learning analytics methods and *be able to use* relevant learning analytics tools;
- *know* the basics for analysing and interpreting educational data to facilitate educational decision making, including course and curricula design, *understand* relevant teaching analytics methods and *be able to use* relevant teaching analytics tools;
- *understand* issues related with educational data ethics and privacy.



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## Your Instructors

### Module 2 - UPRC

Prof Demetrios Sampson  
Sofia Mougiaikou  
Dimitra Vinatsella



### Module 3 - NTNU

Prof Michael Giannakos  
Dr Zacharoula Papamitsiou



### Module 4 - UMA

Prof Dirk Ifenthaler  
Marc Egloffstein



### Module 5 - eN

Deborah Couédelo  
Mary Jones



### Module 6 - LL

Elisabetta Parodi  
Laura Brambilla  
Maria La Porta



### Module 7 - IMC

Dr Uta Schwertel  
Samandar Atoev  
Dr Mareike Schmidt



## Course Syllabus

### Module 1: Orientation

This module offers the opportunity to become familiar with the MOOC platform, the course structure and the course policies.

### Module 2: Educational Data

This module will introduce the concept of educational data as a key success factor for online and blended teaching and learning, present the Learn2Analyze framework for educational data literacy competences and discuss the fundamentals of educational data collection and management, including issues related with ethics and privacy.

### Module 3: Learning Analytics

This module will introduce the basics of methods and tools for analysing and interpreting online learners' data to facilitate their personalised support. It will focus on organising, analysing, presenting and interpreting learner-generated data within their learning context, as well as on ethical concerns and policies for protecting learner-generated data from mistreatment and misuse.

### Module 4: Teaching Analytics

This module will introduce the basics of methods and tools for analysing and interpreting educational data for facilitating educational decision making, including course and curricula design.

### Module 5: Educational Data Analytics with Moodle

This module will present tools for educational data analytics in Moodle and focus on the use of these tools to support school teachers in the design and delivery of their online and blended learning courses.

### Module 6: Educational Data Analytics with eXact Suite

This module will present tools for educational data analytics in the eXact Suite and focus on the use of these tools to help instructional designers and e-tutors of online courses in supporting online learners.

### Module 7: Educational Data Analytics with IMC Learning Suite

This module will present tools for educational data analytics in the IMC Learning Suite. The focus is on how the tools can support instructional designers of online courses in reflecting on their educational design and re-design the courses. The module also shows how the tools can help e-tutors to support online learners.

### Module 8: Concluding the MOOC

This concluding module will allow participants to finalise their assignments, discuss their overall MOOC learning experience with their peers, and reflect on their learning experience by submitting the course feedback survey.



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## Certification of Achievement

If you successfully complete this course you will receive a **Certificate of Achievement**.



## Successful completion of the course requires:

- ✓ completing the **Multiple Choice Questions Assessment** with **60% success**
- ✓ completing the **Pre-course** and the **Post-course Surveys**

## Assessment Method, Grading Policy and Certification

This course is graded as *Pass or Fail*, meaning you will either be given a passing score or a failing score.

In order to successfully complete this course and earn your **Certificate of Achievement** you must gain a mark of **60% or greater** overall to all 100 multiple choice quiz questions.

Your grade in the course is calculated based on your replies to **100 multiple choice questions** distributed to the 6 core modules. The Multiple Choice Questions are included at the end of Module #2 to Module #7 and aim to assess your understanding of the core concepts presented.

You may complete the Multiple Choice Questions Assessment **at any time** as there are no 'due dates'. Nevertheless, we recommend that you complete them sequentially, after you have completed the relevant module.

**We are excited to offer this new course and we do hope you will enjoy learning about analyzing Educational Data to improve your Blended and Online Teaching!**



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