



JACOBS  
UNIVERSITY



# Stat. Edu 21

*New perspectives in Statistics Education*

**MARCH 25-26, 2021  
NAPLES, ITALY**

VIRTUAL EVENT



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

[HTTPS://ALEAS-PROJECT.EU/STAT-EDU/](https://aleas-project.eu/stat-edu/)

# SCHEDULE

25 MARCH - DAY 1

TO JOIN:

[HTTPS://ZOOM.US/MEETING/REGISTER/TJ0ODEIVPZOUHNBUVREBACFTT3JSCAODAQ1G](https://zoom.us/meeting/register/tj0odeivpzouhnbuvrebacftt3jscaodaq1g)

MORNING

10:00

## WELCOME ADDRESS

### **STATISTICAL METHODS AND MODELS FOR ASSESSING LEARNERS' ABILITY** (Chair: Francesco Palumbo)

10:30

*A general nonparametric classification approach for cognitive diagnostic assessment in introductory statistics*

Evripidis Themelis and Angelos Markos

10:50

*Differential performance on OECD PISA tests: Evaluating Item Functioning methods using Mathematics Assessments*

Clelia Cascella and Rosa Fabbricatore

11:10

*Assessment of "Literacy and Numeracy" empowerment activities in the metropolitan area of Naples*

Stefania Capecchi and Giancarlo Ragozini

11:30

## VIRTUAL COFFEE BREAK

### **ALEAS PROJECT PRESENTATION** (Chair: Angelos Markos)

11:45

*Project outline*

Francesco Palumbo

12:05

*Methodological framework*

Alfonso Iodice D'Enza

12:25

*ALEAS: An interactive application for ubiquitous learning in higher education in statistics*

Raffaele Di Fuccio, Fabrizio Ferrara, Giovanni Siano and Andrea Di Ferdinando

13:00

## LUNCH BREAK

# SCHEDULE

25 MARCH - DAY 1

AFTERNOON

**15:00 DATA LITERACY FOR ALL: THE “STADT-LAND-FLUSS”-APP  
CATHARINA SCHÜLLER**

CEO of Stat-up, Statistical Consulting & Data Science  
(Chair: Adalbert Wilhelm)

**NEW PERSPECTIVES IN STATISTICAL ANXIETY**

(Chair: Marta Miragall)

**16:00 *Anxiety towards statistics: Wisdom, Interest and Cognitive  
Competence as predictors***

María Folgado-Alufre, Marta Miragall, Marian Serrano-Mendizábal,  
Lucía García-Ubiedo and Rosa M<sup>a</sup> Baños

**16:20 *Statistical Anxiety in undergraduated students: PLS-PM approach for  
exploring the role of situational and dispositional factors***

Rosa Fabbriatore, Anna Parola, Giuliana Pepicelli and Francesco  
Palumbo

**16:40 *Students attitude towards statistics - clustering and modeling by  
personality traits***

Karsten Lübke and Matthias Gehrke

**17:00 *Understanding Students' Attitudes towards Statistics***

Irasianty Frost

**17:20**

**FINAL REMARKS AND CONCLUSIONS**

# SCHEDULE

26 MARCH - DAY 2

TO JOIN:

[HTTPS://ZOOM.US/MEETING/REGISTER/TJIUD-MOPJWOE9C1NRUID9\\_E\\_B4VFLA9WDX](https://zoom.us/meeting/register/tjiud-mopjwoe9c1nruid9_e_b4vfla9wdx)

MORNING

09:30

## WELCOME ADDRESS

09:40

### OPPORTUNITIES FOR PEDAGOGICAL INNOVATION FROM THE SANITARY CRISIS: WHAT TO KEEP FOR TEACHING IN THE "NEW NORMAL"

**VINCENZO ESPOSITO VINZI**

Professor of Statistics and President of the ESSEC Business School  
(Chair: Francesco Palumbo)

10:30

### NEW TECHNOLOGIES TO SUPPORT TEACHING

Discussants: *t.b.a*

11:00

## VIRTUAL COFFEE BREAK

### GAMIFIED LEARNING ENVIRONMENTS (Chair: Domenico Vistocco)

11:15

*S*Top Obesity Platform: a gamified learning system to build a new healthier life-style

Monica Zampella, Eliana Brunetti, Marianna Mugione, Raffaele Di Fuccio, Michela Ponticorvo and Fabrizio Ferrara

11:35

*A*aptive Experiments for Enhancing Digital Education: Benefits and Statistical Challenges

Nina Deliu and Joseph Jay Williams

11:55

*C*ontent validity assessment of ALEAS statistical reasoning items via think-aloud interviews

Aikaterini Tsaousi and Angelos Markos

12:15

### EULALIA: The official presentation of the app for Erasmus' students

Raffaele Di Fuccio

13:15

## LUNCH BREAK

# SCHEDULE

26 MARCH - DAY 2

AFTERNOON

**15:00**     **LEARNING ANALYTICS: APPROACHES AND TOOLS TO IMPROVE VIRTUAL LEARNING EXPERIENCES**

**DAVIDE TAIBI**

ITD-CNR (Institute for Educational Technologies, National Research Council)

(Chair: Raffaele Di Fuccio)

**E-LEARNING IN HIGHER EDUCATION**

(Chair: Cristina Davino)

**16:00**     *The psychological impact of the imposed Distance Learning from Italian teachers' perspective: results from an exploratory survey during the first Covid-19 lockdown*

Marcella Bianchi and Daniela Caso

**16:20**     *Challenging in teaching biostatistics in an e-learning environment. The experience of a postgraduate course*

Claudia Franceschini, Danila Azzolina, Ileana Baldi, Giulia Lorenzoni, Corrado Lanera, Paola Berchiolla and Dario Gregori

**16:40**     *Statistics in Medicine in the degree courses in Nursing in DAD: first results on the experience in Piedmont*

Ilaria Stura, Alessandra Alemanni and Giuseppe Migliaretti

**17:00**     *Exploring the effects of e-learning on students and families: the case of the University of Naples*

Cristina Davino and Domenico Vistocco

**17:20**     *Blended & Data-Driven Learning: a teaching innovation project*

Emilia López-Iñesta, Maria Teresa Sanz, Daniel Garcia-Costa and Francisco Grimaldo

**17:40**

**FINAL REMARKS AND CONCLUSIONS**