



UNIVERSITÀ DI PAVIA  
Dipartimento di  
Scienze Politiche e Sociali



# Satellite Online Workshop: Data science and official statistics in political and social applications

## Friday 13 September 2024

From 12:00 PM to 05:30 PM (Pakistan, PK) | From 09:00 AM to 02:30 PM (Italy, IT)

### Plenary Session

**Simone Gerzeli** - Department of Political and Social Sciences, University of Pavia (Italy)  
*"Customized learning to predict student dropout"*

**Vittoria Porta** - DPhil Candidate in population health, Ethox Centre, Oxford University (England)  
*"Reusing data and technologies for infectious disease surveillance in law enforcement: what happened during the COVID-19 pandemic?"*

**Francesca Licari, Martina Lo Conte, Eleonora Meli, Sara Miccoli** - Population register, demographic and living conditions statistics, Istat (Italy)  
*"Becoming older in Italy: trends and challenges"*

**Giuseppina Del Vicario** - Territorial office for North-Western regions, Lombardy office, Istat (Italy)  
*"Istat experiments on big data"*

**Simona Ballabio, Elena Sorba** - Territorial office for North, Western regions, Lombardy office, Istat (Italy)  
*"Istat projects on equitable and sustainable well-being - Bes and BesT"*

**2:00PM (PK) - 03:30PM (PK) | 11:00AM (IT) - 12:30PM (IT) LUNCH BREAK**

**Fatima Khalique** - Department of Computer Science, Bahria University, Isb (Pakistan)  
*"Building Data Science Pipeline- Power BI for Data Analytics"*



## Join our Free Workshop!

Participation is completely free, but registration via the QR code is required!

Students attending the Workshop will be awarded **2 credits** among those freely chooseable or supernumerary activities.



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## International Online Workshop: AI and data science in Political and Social sciences

### Join our Free Workshop!

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### DAY ONE - Tuesday 10 September - From 12:00PM (PK) | From 09:00AM (IT)

Institutional Greetings

**Antonella Forlino** - Welcome - Pro-Rector, Università di Pavia (Italy)

**Bahria University** - Brief Introduction of BU - Bahria University (Pakistan)

**Simone Gerzeli** - Brief Introduction of UniPavia - University of Pavia (Italy)

**Dr. Amina Jameel** - Bahria University (Pakistan)

*"Exploring the Intersection of AI and Social Sciences"*

**2:00PM (PK) - 03:30PM (PK) | 11:00AM (IT) - 12:30PM (IT) Lunch Break**

**Elena Ballante** - University of Pavia (Italy)

*"A new perspective in ensemble models"*

**Farah Naz** - University of Pavia (Italy)

*"Deep learning models for MRI images"*

### DAY TWO - Wednesday 11 September - From 12:00PM (PK) | From 09:00AM (IT)

**Dr. Asghar Ali Shah** - Bahria University (Pakistan)

*"Exploratory Data Analysis (EDA): Unveiling the Mysteries of Your Dataset"*

**2:00PM (PK) - 03:30PM (PK) | 11:00AM (IT) - 12:30PM (IT) Lunch Break**

**Dr. Asfand e Yar** - Bahria University (Pakistan)

*"NLP for legal documents"*

**Syed Mujtaba Haider** - University of Pavia (Italy)

*"Face recognition using deep learning"*

### DAY THREE - Thursday 12 September - From 12:00PM (PK) | From 09:00AM (IT)

**Federico Quetti** - University of Pavia (Italy)

*"Statistical methods for complex systems"*

**Andrea Bonomo** - University of Pavia (Italy)

*"Bioinformatic modelling in genomics"*

**2:00PM (PK) - 03:30PM (PK) | 11:00AM (IT) - 12:30PM (IT) Lunch Break**

**Dr. Shehla Saif** - Bahria University (Pakistan)

*"Deep Fake Recognition"*