
Program: Complex Data in the Study of Politics and Conflict**18-19 November 2021, Barcelona**

Complex data, like images or text, are increasingly used in academic research and policy applications. Two key problems in most applications are how to extract specific features from complex data and how to integrate these features into research or the policy process. Methods for both of these aspects are often developed for specific applications and shared within narrow disciplines.

This workshop aims at bringing these experiences together and develop a network of experts working on related problems from different perspectives. The workshop will be technical in nature and therefore targeted at practitioners or researchers in fields like economics, political science, data science, computer science or remote sensing to present a specific problem they have solved/are trying to solve.

Locations:

- 1) **UPF Balmes building. Balmes, 132-134 08008 Barcelona (room TBA)**
- 2) **Online – zoom link TBA**

Thursday, 18th of November

12.00 – 13.00: Clement Gorin (Paris School of Economics) – Neural networks for economists: A primer

Lunch Break

14.30 – 15.30: Louise Inguere (ENS Lyon) and Mathis Mohand (ENS Lyon) – Detection of the Artisanal and Small-scale Mines

15.30 – 16.30: Edoardo Nemni (UNITAR) – Segmentation of VHR for damage assessment and building footprints

30 minutes break

17.00 – 18.00: Lachlan Deer (Tilburg University) - Riot networks and the Tullock Paradox: An application to the Egyptian Arab Spring

18:00 – 19:30: Roundtable Discussion on Use of Remote Sensing in Practice

20.00 Dinner

Friday, 19th of November

9.30 – 10.30: Joachim Voth (University of Zurich) – Image: Innovation, Protests and Cultural Change

10.30 – 11.30: Thiemo Fetzer (University of Warwick) – De-escalation Technology: the Impact of Body-worn Cameras on Citizen-Police Interactions

30 mins break

12.00 – 13.00: Christopher Rauh (University of Cambridge) – Predicting Spatial Conflict

Lunch Break

14.30 – 15.30 Andre Groeger (UAB, BSE) – Predicting Migration Using Google Search Terms

15.30 – 16.30 Roundtable Discussion on use of AI in Social Science Research

16:30 Workshop Ends

Organisers: Laura Mayoral (IAE (CSIC), BSE) and Hannes Mueller (IAE (CSIC), BSE)

Partners: The workshop will be organized with funding from the CSIC I+Link initiative and the Banco de España research agreement on political risk.