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PIANO NAZIONALE
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delle Ricerche

The FOSSR Policy Learning Platform: A Tutorial

February 19, 2025
15:00 - 17:00
online seminar



FOSSR
Fostering Open Science in Social Science Research
Innovative tools and services to investigate economic and societal change

Agenda

- 15:00 **Welcome and opening**
Claudia Pennacchiotti (CNR-IRPPS)
- 15:15 **The OPL package in Stata**
Giovanni Cerulli (CNR-IRCrES)
- 15:30 **The OPL package in R**
Federico Brogi (ISTAT)
- 15:45 **The OPL package in Python**
Fabrizio De Fausti (ISTAT)
- 16:00 **Open discussion**
Marco Ventura (Università degli Studi di Roma "La Sapienza")
Barbara Guardabascio (Università di Perugia)
- 16:45 **Wrap up and conclusion**

This webinar presents a **tutorial for the Policy Learning Platform (PLP) a FOSSR tool for learning optimal policies from data allowing for empirical welfare maximization**. Implemented by the OPL set of algorithms, the PLP allows to find "treatment assignment rules" that maximize the overall welfare, defined as the sum of the policy effects estimated over all the policy beneficiaries. The PLP allows to learn the optimal policy empirically, i.e. based on data and observations obtained from previous (same or similar) implemented policies. The PLP carries out empirical welfare maximization within three policy classes: (i) Threshold-based; (ii) Linear-combination; and (iii) Decision-tree. We present three implementation of the PLP, using three platforms, i.e. Stata, R and Python.

How to participate

To join the event, please register at the link:
<https://l.cnr.it/fossr-onlineseminar-19-feb-2025-registration-form>
All the info: www.fossr.eu/eventi/the-fossr-plp-a-tutorial/
Contact person: claudia.pennacchiotti@irpps.cnr.it

REGISTRATION



Organisational details

The seminar will be held online; the link will be provided to participants in due time before the beginning of the event. The seminar will be held in English, and all thematic materials will be available on Zenodo after the event.

The event is organised by CNR-IRPPS in the frame of the FOSSR project (Fostering Open Science in Social Science Research), funded by the European Union - NextGenerationEU under NRR Grant agreement n. MUR IR00000008.

Scientific committee: Giovanni Cerulli (CNR-IRCrES). Organising Committee: Claudia Pennacchiotti (CNR-IRPPS), Alessandra Maria Stilo (CNR-IRCrES), Alessia Fava (CNR-IRCrES), Serena Fabrizio (CNR-IRCrES), Rita Giuffredi (CNR-IRCrES), Elisa Storace (CNR-UVR).



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