

Implementing Causal Machine Learning in

Friday: Planning the evaluation – next steps

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Astana Workshop September 30 to October 4, 2024 (10-13, 14:00-17:30)

- Monday
 - Morning: Identification with experiments & selection on observables
 - Afternoon: Discussion of potential programmes to be evaluated
- Tuesday: Causal Machine Learning (theory) (ends at 16:00)
- Wednesday
 - Empirical examples: Active labour market programmes in Flanders
 - The mcf package how to use it & how to interpret the results
- Thursday: Doing an empirical study in groups with the data introduced in online workshop 4
- Today: Discussion of programmes to be evaluated continued (core team only)







Reflections on yesterday's use of the mcf

Please share reflections about the mcf's usefulness for the planned evaluations

- Small improvements that are also useful for others can still be implemented
- New version (0.7.0) will appear in December 2024.



More information on candidate programmes, discussion, & decision

Which programmes are of interest AND ...

- are likely to fulfil identification criteria?
 - In particular CIA & common support
- are big enough to have a chance to estimate heterogeneous effects?
- for which the necessary data are available?





Approximate Timetable

Final decision on 1st programme to analyse: Today (?)

Data preparation (?)

Defining outcomes, confounders & heterogeneity variables (?)

If optimal policy analysis is conducted (?)

- Policy class
- Decision variables

Obtain results

Possible trial run on a smaller sample of the full data

Interpretation of results





How to interact from now on (core team & ML)?

Weekly online meetings of 1 hour?

• Wednesday (9:00-10:00 St. Gallen time, 12:00-13:00 Astana time)?





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