



MODERN CAUSAL ANALYSIS
 Causal inference based on non-experimental data
 5 - 6 May 09.00 – 17.00 - Meeting Room I floor

PROGRAMME

Schedule

| Thursday, 5 May 2022 | |
|-----------------------------|---|
| 9:15-10:45 | Causal hypotheses, counterfactual model of causality, causal graphs (DAGs) |
| 10:45-11:00 | <i>Break</i> |
| 11:00-12:30 | Causal hypotheses, counterfactual model of causality, causal graphs (DAGs) (<i>cont.</i>) |
| 12:30-13:45 | <i>Lunch break</i> |
| 13:45-15:15 | A new look at regression analysis from the perspective of modern causal analysis: selection of control variables, model building, and regression adjustment |
| 15:15-15:30 | <i>Break</i> |
| 15:30-17:00 | Propensity score matching, alternative matching approaches and inverse probability weighting |

| Friday, 6 May 2022 | |
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| 9:15-10:45 | Propensity score matching, alternative matching approaches and inverse probability weighting (<i>cont.</i>) |
| 10:45-11:00 | <i>Break</i> |
| 11:00-12:30 | Instrumental variable (IV) estimators: classical IV estimator, conditional IV estimator, modern LATE interpretation |
| 12:30-13:45 | <i>Lunch break</i> |
| 13:45-15:15 | Difference-of-differences (DID) estimator: before-after estimator, DID with individual and aggregate data; DID combined with matching |
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