**Theory and Methods Challenge Fortnights: Prediction algorithms with a causal interpretation**

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| **Time**  | **Item**  | **Lead**  |
| 11:00-13:00  | **Introduction to causal inference and prediction concepts**  | Peter Tennant, Matt Sperrin, Romin Pajouheshnia |
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| 14:00-14:10 | **Introduction: Overview of the Theory and Methods Challenge Fortnight aims**  | Ioannis Kosmidis |
| 14:10-14:30  | **Challenge Introduction: Overview of Prediction algorithms for causal inference**  | Matt Sperrin |
| 14:30-14:50  | **Use-cases: Counterfactual CPMS & emerging COVID work** | Niels Peek |
| 14:50-15:10  | **Outputs 1: Theory and methods challenges in counterfactual prediction**  | Karla Diaz Ordaz |
| 15:10-15:30  | **Outputs 2: Counterfactual prediction for decision support**  | Romin Pajouheshnia. Matt Sperrin |
| 15:30-15:50 | **Outputs 3: Counterfactual prediction in transport modelling** | Ricardo Silva, Charisma Choudhury |
| 15:50-16:10  | **Outputs 4: Enriching latent class models with counterfactual prediction**  | Mark Gilthorpe |
| 16:10-16:30  | **Open discussion: Taking forward the outputs of the challenge** | Matt Sperrin |
| 16:30  | **Closing remarks** | Matt Sperrin |