**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 |