



## Addendum

### Talks Added:

#### **A prediction problem in a large adaptive learning platform**

Time: 10:50 - 12:05 on July 15 (Datathon)  
Ms. Ye Yuan

#### **A linear regression approach to the difficulty of multiplication problems**

Time: 10:50 - 12:05 on July 15 (Datathon)  
Mr. Pablo F. Cáncer

#### **Predicting item difficulty in multiplication games: linear and non-linear models to detect feature effect**

Time: 10:50 - 12:05 on July 15 (Datathon)  
Ms. Rosa Fabbriatore

#### **Datathon Team Presentation**

Time: 10:50 - 12:05 on July 15 (Datathon)  
Mr. Joakim Wallmark

### Talks Withdrawn:

#### **Constructing, improving, and shortening tests with Competence-Based Test Development methodology**

Time: 10:55 - 12:10 on July 12  
Lead Presenter: Dr. Pasquale Anselmi

#### **Propensity score analysis with latent variables: Choices of factor scores and data mining methods**

Time: 10:55 - 12:10 on July 12  
Leader Presenter: Dr. Ge Jiang

#### **Evaluating quality of selection procedures in a binary classification framework: An alternative to inter-rater reliability**

Time: 14:50 - 16:05 on July 12  
Lead Presenter: Mr. František Bartoš

#### **Equilibrium causal models: Connecting dynamical systems and cross-sectional data**

Time: 09:15 - 10:30 on July 13  
Lead Presenter: Dr. Oisín Ryan

#### **A robust item fit assessment**

Time: 09:15 - 10:30 on July 13  
Lead Presenter: Dr. Ummugul Bezirhan

#### **Deep learning generalized structured component analysis: A knowledge-based nonlinear multivariate predictive method**

Time: 16:20 - 17:20 on July 13  
Lead Presenter: Mr. Gyeongcheol Cho

#### **Fully symmetric graphical lasso for dependent data**

Time: 09:15 - 10:30 on July 14  
Lead Presenter: Dr. Saverio Rancati

#### **Monotonic proportional odds cumulative logit regression with ordinal predictors and an ordinal response**

Time: 09:15 - 10:30 on July 15  
Lead Presenter: Prof. Christian Hennig

#### **Performance of covariate-informed factor scores in bivariate latent growth models**

Time: 09:15 - 10:30 on July 15  
Lead Presenter: Dr. Alexis Georgeson

#### **"Proportions-of-total" ipsative data: Ratio or ordinal?**

Time: 10:50 - 12:05 on July 15  
Lead Presenter: Dr. Anna Brown

#### **Getting the most out of Electroretinogram (ERG) Data: A methodological review and recommended statistical and machine-learning models**

Time: 10:50 - 12:05 on July 15  
Lead Presenter: Dr. Sunmee Kim

#### **Incorporating information from historical data for power analysis: A hybrid classical-Bayesian approach for multilevel studies**

Time: 10:50 - 12:05 on July 15  
Lead Presenter: Ms. Winnie Wing-Yee Tse

### Updated Chair:

#### **Beyond VAR: New developments in modeling psychological time series**

Time: 09:15 - 10:30 on July 13  
New Chair: Jonas Haslbeck

#### **Validity and Reliability**

Time: 09:15 - 10:30 on July 13  
New Chair: Dr. Duanli Yan

#### **Aberrant Test Behaviors**

Time: 09:15 - 10:30 on July 15  
New Chair: Dr. Niels Smits

### IRT IV

Time: 10:50 - 12:05 on July 15  
New Chair: Ms. Can Gurer

### Updated Presentation Date/Time:

#### **Causal inference in latent class analysis in the presence of differential item functioning**

Old Time: 09:15 - 10:30 on July 13  
New Time: 10:55 - 12:10 on July 12 as part of Causal Inference I  
Lead Presenter: Mr. Felix Clouth

#### **A new perspective on norming psychological tests**

Old Time: 10:50 - 12:05 on July 13  
New Time: 14:45 - 16:00 on July 13 as part of Classification  
Lead Presenter: Prof. Andries van der Ark

### Updated Presenter:

#### **Unsupervised and supervised learning algorithms for accurate classification of cognitive profiles**

16:20 - 17:20 on July 13  
New Presenter: Mariagrazia Benassi