Programme

Wednesday 7 July

10.00 – 10.30 Opening (Chair Tim Holt)

Welcome from Paul Smith and Nikos Tzavidis University of Southampton
Reflections on the lives and careers of Fred Smith and Chris Skinner

10.30 – 11.00 Invited Session 1 (Chair Tim Holt)

Danny Pfeffermann University of Southampton, CBS Israel and Hebrew University of Jerusalem
Time series modeling of repeated survey data for estimation of finite population parameters

11.00 – 11.15 Break

11.15 – 12.35 Contributed Session 1 (Chair: Li-Chun Zhang)

Roger Sugden
IID case under Poisson sampling

Jan Pablo Burgard Trier University and Stefan Zins Institute for Employment Research (IAB)
Planning domain sizes in cluster sampling

Guillaume Chauvet ENSAI and Audrey-Anne Vallée Université Laval
Inference for two-stage sampling designs

Loveness Dzitiki University of Pretoria, Marcel D.T. Vieira Universidade Federal de Juiz de Fora and
Brendan Girdler-Brown University of Pretoria
Approaches for combining data collected from multiple simple random samples

12.35 – 13.05 Lunch Break

13.05 – 14.25 Contributed Session 2 (Chair: TBA)

James Jackson Lancaster University, Robin Mitra Cardiff University, Brian Francis Lancaster
University and Iain Dove Office for National Statistics
Developing synthetic data methods for large, sparse administrative databases

Li-Chun Zhang University of Southampton and Gustav Haraldsen Statistics Norway
Secure data collection and processing: means and opportunities

Mark Bun Boston University, Jörg Drechsler Institute for Employment Research, Marco Gaboardi
University of Maryland, Audra McMillan Apple and Jayshree Sarathy Harvard University
Controlling privacy loss in survey sampling

Shijie Guo Dartmouth College and Jingchen (Monika) Hu Vassar College
Data privacy protection and utility preservation through Bayesian data synthesis

14.25 – 14.40 Break

14.40 – 16.00 Invited Session 2 (Chair: Jörg Drechsler)

Natalie Shlomo University of Manchester and Chris Skinner London School of Economics and
Political Science
Measuring risk of re-identification in microdata: state of the art and new directions

Jae Kwang Kim Iowa State University, Jon Rao Carleton University and Yonghyun Kwon Iowa State
University
Analysis of clustered survey data based on two-stage informative sampling and associated two-level
models
Thursday 8 July

10.00 – 11.20  Invited Session 3 (Chair: Peter Smith)

David Steel University of Wollongong and Robert Clark Australian National University
Sample design for analysis using high influence probability sampling

Ray Chambers, University of Wollongong, Setareh Ranjbar University of Lausanne, Nicola Salvati and Barbara Pacini University of Pisa
Weighting, informativeness and causal inference, with an application to rainfall enhancement

11.20 – 11.35  Break

11.35 - 12.35  Student Prize Session (Chair: Fiona Steele)

(Loveness Dzikiti and Caio Gonçalves were also winners, but appear elsewhere on the programme)

Dehua Tao Australian National University
Linkage bias adjustment for integrated data sets

Estelle Medous Université Toulouse 1 Capitole and La Poste
Pros and cons of the double indirect sampling for “many to one” links

Fernanda Lang Schumacher University of Campinas
Canonical fundamental skew-t linear mixed models

Luiz Eduardo da Silva Gomes Federal University of Rio de Janeiro
A Bayesian network approach to food security modeling in Brazil

12.35– 13.05  Lunch Break

13.05 – 14.25  Contributed Session 3 (Chair: Chiara Bocci)

Caio Gonçalves National School of Statistical Sciences - ENCE/IBGE, Luna Hidalgo Brazilian Institute of Geography and Statistics, Denise Britz do Nascimento Silva National School of Statistical Sciences - ENCE/IBGE and Jan van den Brakel Statistics Netherlands and Maastricht University
Model-based unemployment rate estimates for the Brazilian Labour Force Survey

Jan van den Brakel Statistics Netherlands and Maastricht University, Martijn Souren and Sabine Krieg Statistics Netherlands
Estimating monthly labour force figures during the COVID-19 pandemic in the Netherlands

Andres Gutierrez United Nations Economic Commission for Latin America and the Caribbean, Hanwen Zhang Universidad Autónoma de Chile, Pedro Luis do Nascimento Silva Escola Nacional de Ciências Estatísticas and Leonardo Trujillo Universidad Nacional de Colombia
Estimation of gross labour-force flows for some non-response models: a case study during the coronavirus outbreak

Guilherme Jacob and Pedro Luis do Nascimento Silva Escola Nacional de Ciências Estatísticas
Gross labour flows estimation with non-response using the Brazilian National Household Sample Surveys

14.25 – 14.40  Break

14.40 - 16.00  Invited Session 4 (Chair: Pedro Luis do Nascimento Silva)

Graham Kalton University of Maryland
Probability vs. nonprobability sampling: from the birth of survey sampling to the present day

Wayne Fuller Iowa State University
Post strata based on sample quantiles
Friday 9 July

10.00 – 11.00 Panel Session (Chair: Nikos Tzavidis)

**Dennis Trewin**
*An integrated statistical approach to managing pandemics*

Panelists: **Len Cook, Pedro Luis do Nascimento Silva** Escola Nacional de Ciências Estatísticas, **David Steel** University of Wollongong

11.00 – 11.15 Break

11.15 - 12.35 Contributed Session 4 (Chair: Jon Forster)

**Mihaela-Catalina Anastasiade-Guinand** Swiss Federal Statistical Office, **Alina Matei** and **Yves Tillé** Université de Neuchatel
*Estimating a counterfactual wage heavy-tailed distribution using survey data*

**Nora Würz** Freie Universität Berlin, **Tim Schmid** Universität Bamberg and **Nikos Tzavidis** University of Southampton
*Estimating regional income indicators with access to limited auxiliary information*

**Antônio Teixeira** Senac – Departamento Nacional and **Pedro Luis do Nascimento Silva** Escola Nacional de Ciências Estatísticas
*Cross-classified sampling and regression estimation for price index estimation*

**Elizabeth Belo Hypolito** and **Denise Britz do Nascimento Silva** National School of Statistical Sciences - ENCE/IBGE
*Impacts of proxy response in the Brazilian labor force survey*

12.35 – 13.05 Lunch Break

13.05 – 14.25 Contributed Session 5 (Chair: Natalie Shlomo)

**Phillip S. Kott** RTI International
*The role of weights in regression modeling and Imputation*

**Ton de Waal** Statistics Netherlands
*Calibrated imputation for multivariate numerical data*

**Mehdi Dagdoug** and **Camelia Goga** Université de Bourgogne-Franche-Comté and **David Haziza** University of Ottawa
*Model-assisted estimation through random forests in finite population sampling*

**Savano Pereira, Luiz P. Calôba** and **Pedro Luis do Nascimento Silva** Escola Nacional de Ciências Estatísticas
*Artificial neural networks with complex survey data*

14.25 – 14.40 Break

14.40 - 16.00 Invited Session 5 (Chair: Paul Smith)

**Denise Britz do Nascimento Silva** Escola Nacional de Ciências Estatísticas, **Eduardo Santiago Rosseti** FGV Projetos and **Antônio Etevaldo Teixeira Júnior** Senac - Departamento Nacional
*Compositional time series analysis of labour force status in the Brazilian National Household Survey*

**Pedro Luis do Nascimento Silva** Escola Nacional de Ciências Estatísticas and **Fernando Moura** Universidade Federal do Rio de Janeiro
*Fitting multivariate multilevel models under informative sampling*

16.00 – 16.05 Closing remarks