



16 th Meeting of the Ottawa Group

08 - 10 May 2019

PROGRAMME

PLENARY SESSION

TUESDAY, 07 MAY

16:00 - 17:30

Invited lecture by Prof. Erwin Diewert:

"Quality Adjustment and Hedonics: A unified approach"

17:30 - 18:30

Welcome cocktail

WEDNESDAY, 08 MAY

9:30 - 10:00

Registration

10:00 - 10:30

Opening speech

10:30 - 12:00

Session 1: New data sources to compile price indices (I)

Chairperson: Patrick Kelly

Jens Mehrhoff: Towards a new paradigm for scanner data price indices: applying big data techniques to big data

Jan de Haan, Jacco Daalman: Scanner Data in the CPI: The Imputation CCDI Index Revisited

Anna Bobel, Jacek Białek: Comparison of Price Index Methods for CPI Measurement using Scanner Data

12:00 - 13:30

Lunch break

13:30 - 15:00

Session 2: Pricing seasonal products

Chairperson: Roberto Olinto

Patrick Kelly, Matlhatsi Ratswana: Missing in action: testing alternative methods for imputations and seasonal items

Corinne Becker Vermeulen: Pricing seasonal products: the imputation techniques

Kristiina Nieminen, Yrjö Vartia, Antti Suoperä, Satu Montonen: Chain Error as a Function of Seasonal Variation

15:00 - 15:30

Coffee break

15:30 - 16:30

Session 3: New data sources to compile price indices (II)

Chairperson: Jens Mehrhoff

Rafael Posse, Jorge Alberto Moreno: Use of Big Data in modern markets coexisting with traditional markets data

Andrew Tomadini, Michael Holt: Experimental clothing indexes using Australian web scraped data

16:30 - 17:30

Poster session/Room document

17:30 - 19:00

Session 4: Other topics (I)

Chairperson: Jan de Haan

Ludwig von Auer: The Nature of Chain Drift: Implications for Scanner Data Price Indices

Tsutomu Watanabe, Kozo Ueda, Kota Watanabe: Storable Goods, Chain Drifts, and the Cost of Living Index: New Methodology and Application to Japanese Data

Antonio G. Chessa: A comparison of index extension methods for multilateral methods

THURSDAY, 09 MAY

09:00 - 10:30

Session 5: New data sources to compile price indices (III)

Chairperson: Jens Mehrhoff

Edward Rowland: Machine learning for classification with big data in price statistics production pipelines

Olivia Ståhl, Peter Nilsson: Towards a roadmap for Efficient use of Electronic Transaction Data in the Swedish CPI

Manuel I. Bertolotto: Online Price Index with Product Replacement: The Closest Match Approach

10:30 - 11:00

Coffee break

11:00 - 12:30

Session 6: Compiling housing price indices

Chairperson: David Fenwick

Rósmundur Guðnason: Owner occupied housing in the Icelandic CPI, a survey of simple user cost for a quarter of a century

Paulo Picchetti: Residential Price Indexes using different sources of information

Kate Burnett-Isaacs, Erwin Diewert, Ning Huang,: Developing Land and Structure Price Indexes for Ottawa Condominium Apartments

12:30 - 14:00

Lunch break

14:00 - 15:00

Session 7: Index number formulae

Chairperson: Ludwig von Auer

Ragnhild Nygaard, Li-Chun Zhang, Ingvild Johansen: Evaluating unit-value price indices in a dynamic item universe

Claude Lamboray: Elementary aggregation: A not so elementary story!

15:00 - 18:30

Social programme – Museum of Tomorrow

18:30 - 21:30

Gala dinner – Assador Rio's

FRIDAY, 10 MAY

09:00 - 10:00

Session 8: Quality adjustment

Chairperson: Brian Graf

Jean-Denis Zafar, Mathilde Poulhes: Webscraping prices to estimate hedonic models and extensions to other predictive methods

Elisabeth Wieland: Measuring price dynamics of package holidays with transaction data

10:00 - 10:30

Coffee Break / Photo Session

10:30 - 12:00

Session 9: New data sources to compile price indices (IV)

Chairperson: Antonio Chessa

Tanya Flower: Using alternative data sources in consumer prices, UK

Lincoln Teixeira da Silva, Ingrid Luquett de Oliveira, Vladimir G. Miranda, Tiago Dantas: Studies of new data sources and techniques to improve CPI compilation in Brazil

Can Tongur: Challenging the CES assumption with scanner data – pitfalls of the fixed basket

12:00 - 13:30

Lunch break

13:30 – 14:30

Poster session/Room document

14:30 - 15:30

Session 10: Other topics (II)

Chairperson: Paulo Picchetti

Doron Sayag, Danny Pfeffermann, Dan Benhur: Reducing Revisions in House Price Index with Nowcasting Model

Brian Graf, Margarida Martins: Update of the CPI Manual

15:30 - 16:00

Closing remarks

POSTER SESSION (I)

WEDNESDAY, 08 MAY 16:30 – 17:30

New data sources to compile price indices

1. **Tanya Flower:** Task Team on Scanner Data
2. **Hideaki Nakamura:** Improving the accuracy of the CPI by using big data in Japan
3. **Federico Polidoro:** Combining data coming from scanner, traditional CPI data collection and other sources to compile sub-national PPPs in Italy
4. **Ken Van Loon:** Redefining what products are in the context of scanner data and web scraping, experiences from Belgium
5. **Merav Oren-Yiftach:** Automatic data collection in the Israeli CPI: measuring the sharing economy in the sector of short term rentals and web scraping for flights and hotels

Compiling housing price indices

6. **Andrew Tomadini, Ruvani Ratnayake:** Opportunities and challenges: Leveraging alternate data sources to compile the CPI Rents Index
7. **Kate Burnett-Isaacs, Steve Martin:** Unifying Approach to Statistics Canada's Residential Property Price Index
8. **Luiz Andrés Paixão:** Hedonic price methods and real estate price index: an explanatory study for apartments market in Belo Horizonte, Brazil from 2004 to 2015
9. **Fred Barzyc, Roobina Keshishbanoosy:** A new hedonic rent index methodology for Canada

Price statistics that meet multiple user needs

10. **Majed Skaini:** Synergies between CPIs and PPPs and integration of survey activities'

ROOM DOCUMENTS

11. **Vladimir G. Miranda, Pedro Kislakov da Costa, Rodrigo Ventura:** Consumer price indices at IBGE: 40 years and counting

OTHER TOPICS

12. **Jan Walschots:** Changing baskets in the CPI
13. **Rodrigo Ventura:** Challenges of Using National Accounts for a More Frequent Update of the Brazilian CPI Weights

POSTER SESSION (II)

FRIDAY, 10 MAY 13:30-14:30

New data sources to compile price indices

1. **Paul Pascoe**, Fiona Smillie: Creating a Food Price Index Using Web Scraped Data
2. **Sara Heledd Thomas**: The use of approximate expenditure weights for web scraped data in consumer price indices
3. **Jens Mehrhoff**: Prompting the use of a publically available scanner data set in price index research and for capacity building
4. **Martti Korhonen**: New Data Sources for Rental and Housing Price Statistics in Finland

Compiling housing price indices

5. **Andrew Tomadini**: Experimental clothing indexes using Australian web scraped data
6. **Brian Graf**, Vanda Guerreiro: Residential property price index PRACTICAL COMPILATION GUIDE
7. **Paulo Fernando Mahaz Simões**: A Model Based Approach to Produce Commercial and Residential Property Price indices
8. **Kate Burnett-Isaacs**: Resale Residential Property Price Index (rRPPI) Methodology

Quality adjustment

9. **Bernhard Goldhammer**, Raffaella Traverso, Lukas Henkel: Bias related to the bridged-overlap method
10. **Tanya Flower**, Christopher Payne: Quality Adjustment Review of UK Consumer Price Statistics

Index number formulae

11. **Can Tongur**: A recursive Jevons formulation

Other topics

12. **Mone Imamura**, Taroh Nakayama: "Services in the Japanese CPI – Some Examples"
13. **Plinio Leal dos Santos**, Vladimir G. Miranda, Ivan Meirinho de Mello: Outlier detection for the National System of Costs Survey and Indices of Civil Construction (Sinapi) at The Brazilian Institute of Geography and Statistics (IBGE)
14. **Antonio G. Chessa**: MARS: A method for defining products and linking barcodes of item relaunches

15. **Gustavo Vitti Leite**, Lincoln Teixeira da Silva, Vladimir G. Miranda, Marcelo Rubens do Amaral, Plinio Leal dos Santos: Measurement of two services components of the basket of the Brazilian Consumer Price Index (CPI) using the Continuous National Household Sample Survey (PNADC) as data source