



IPMs

IPM 1 President's invited papers meeting

Migration as a social Determinant in Africa: Challenges and opportunities

TBA

IPM 3 Inference under Qualitative Restrictions

Improving Point and Interval Estimates of Monotone Functions by Rearrangement

Monotone Spectral Density Estimation

Monotonicity and Log-Concavity Constraints in Regression

IPM 4 Semi- and Nonparametric Statistics

Estimation in semiparametric models with missing data

On Consistency and Robustness of Support Vector Machines

ROC curves in nonparametric location-scale regression models

IPM 5 Model Building and Regularization

Adaptive modelling of irregular, High Dimensional Functional and image data

Non-Euclidean statistical analysis of covariance matrices and diffusion tensors



IPM 6 Stochastic Geometry with Applications

Estimation Variances in Local Stereology
Intrinsic Two-Way MANOVA for Shape Spaces
Invariant transports of stationary random measures
Random Sets and Quantitative Finance

IPM 7 Concentration inequalities

Applications of Concentration Inequalities in Graph Colouring Via The Probabilistic Method
Concentration of the empirical risk
Lipschitz functions and concentration

IPM 9 Statistical Modeling and Data Analysis for Neural Coding

Emergence of Cross-Correlation Functions in Neural Spike Interval Distributions
Inferring size and temporal precision of correlated neuron group activity from population measures
Nonparametric spike train analysis via resampling
Synthetic Spike Trains With Defined Pairwise Correlations

IPM 10 The Role of Chance in Evolution

Modelling the evolutionary process of DNA-sequences
Polymorphic evolution sequence and evolutionary branching in a logistically regulated population



Species abundance distributions in two classes of models: Immigration from mainland vs mutant substitution

IPM 12 Statistics in Biodiversity

Site occupancy models and inference using single and multiple surveys
Statistical Estimation of Biodiversity Indices

IPM 13 Stochastics of Genome

A Bayesian approach to RNAi data analysis
Inferring coancestry of genome segments in populations
Transcription Initiation bias in disease states

IPM 14 Complex Data Analysis, Dimension Reduction and Sparsity

Detection of an Abnormal Cluster in a Network
Model Free Variable Selection When p is much larger than n

IPM 15 The challenge of building a supply of statisticians for the future

The challenge of building a supply of statisticians for the future
The challenge of building a supply of statisticians for the future



IPM 16 Comparing Poverty and Prices across National

Efficiency of the Core Product List in International Comparisons

ICP-CPI: Using the SPD method to bridge the quality gap

The Experimental Practice in Intra-country Comparison of China

The impact of ICP participation on statistics - a country perspective

IPM 17 Implementing the 1993 System of National Accounts

Implementation of SNA2008/BPM6 in the area of financial accounts

Managing the implementation of SNA, BPM and related international standards in an NSO context

Progress on the implementation programmes for the system National Account 2008 (2008 SNA) and the balance of payments and international investment position manual, sixth edition (BPM6)

IPM 18 Sustainable Development Indicators - New Challenges

Development Indicators and Accountability Measures on Government Performance in South Africa

Sustainable Development Indicators and Environmental Economic Accounting in Germany

IPM 19 Globalisation and official statistics - How to ensure international comparability, while retaining national relevance

Consequences of inward foreign direct investment for productivity at the micro and meso level

Globalisation of services and the peculiar case of trade in healthcare



International migration – can the statistics keep up?

The goals and importance of the IMF's 2009 Coordinated Direct Investment Survey

IPM 20 Bringing Stats Home: Role of Official Statistical

Interdependence of Federal, State and Municipal Statistics in the System of Official Statistics in Germany

The Structure of the U.S. Economic Statistical System: Implications for Public Policy

Urban Statistics in China - Its Current Status, Challenges and Future Development

IPM 21 Improving comparability of urban and regional data: Standards, harmonization, and sharing metadata resources for survey development

Comparable geography: options for developing small area harmonized geographies for comparison, implications for aggregate data production

Harmonizing the World's Census Microdata: Methods and Challenges of the IPUMS Project

SDMX – A standard for Data and Metadata Exchange

TBA

IPM 22 Methodological and measurement challenges in Economic Statistics

Concept of a coherent output oriented system of business statistics

Measures of Productivity Change: Which Outcome Do You Want?

Tests of Model Fit for Gini Regression Analysis



IPM 23 Contemporary methodological challenges in Social Statistics

Monitoring Educational Participation: ten studies on the quality of household survey data versus administrative and census data

Social statistics in India; Challenges and New Initiatives

Towards a Uniformed System of Social Statistics

IPM 24 Quality Control and Assurance of Administration Data used in Statistics Production

Framework of Quality Assurance for Administrative Data Sources

Managing the Quality of Administrative Data in the Production of Economic Statistics

Quality Assurance and Control of the Finnish Population Register System Data for the Purposes of Statistics Production

IPM 25 Measuring Prices Statistics: A National Conspiracy of Numbers?

A Sceptical View of Hedonics

How relevant and useful are official measures of price change in Hong Kong?

Promoting Public Trust and Understanding of the HICP

Using the SNA to Improve Price Measures

IPM 26 Functional Data Analysis: Theory and Applications

Dantzig Selector for Censored Linear Regression Models

Functional Data Analysis for Hazard Rates

Functional linear regression of gradients from sparse data



IPM 27 **Uncertainty in Statistical Matching**

How useful are uncertainty bounds? Some recent theory with an application to Rubin's causal model

Regression-Based Statistical Matching: Past, Present, and Future

Uncertainty intervals for nonidentifiable parameters in statistical matching

IPM 28 **Statistics and the Internet for Development in e-Education e-Health and Other Fields with particular reference to Africa**

Developing marketing and social indicators using Correspondence Analysis

Methodological and operational challenges in developing internationally comparable indicators on ICTs use in education

Mobile Network Operators - A Multiplier in Providing eHealth Solutions to Africa

Persistent themes in ICTD research: priorities for statistics and new modes of data gathering

IPM 29 **Statistical Methods for Non Linear Latent Variable Models**

A joint use of PLS Regression and PLS Path Modelling for a data analysis approach to latent variable modelling

Methods for approximate inference for latent variable models



IPM 30 Statistical Online Monitoring

Sequential monitoring changes in regression and time series models

Statistical On-line Monitoring: An Introduction

Statistical practices for environmental monitoring

IPM 31 Statistical and computational challenges from new environmental sensing systems

Applying new-generation imaging radar for retrieval of vegetation biophysical information

Inferring the palaeoclimate: large data sets and statistical challenges

Towards Seamless Hyperspectral Mapping and Monitoring on a Continental Scale

IPM 32 Sensometrics and chemometrics in food industry

Bio-chemometrics: Multivariate data modelling in systems biology

Burning issues in chemometrics

Burning issues in sensometrics

Model-based pre-processing in biospectroscopy

Space-time mortality risk smoothing using P-splines

Space-Time Scan Statistics for Disease Outbreaks

Spatial Clustering of Small Areas with Bayesian Methods



IPM 35 **Spatial Statistics: Recent Advances in Epidemiological Applications**

IPM 36 **Random projection for multimedia retrieval**

How many random projections suffice to determine a probability distribution?

On the Performance of Clustering in Hilbert Spaces

Stable Random Projections

IPM 37 **The roles of statistical agencies in developing statistical literacy**

Improving statistical literacy - Strategies and Experience of the Australian Bureau of Statistics

Readability and ease of use of the Eurostat Internet

The role of Statistics Portugal in developing statistical literacy

IPM 38 **Educating the public on how to use official statistics**

Improving Use of Official Statistics - How Marketing and IT Help

Making official data relevant to students: Statistics Canada's Education Outreach Programme

Making Statistics attractive through Partnerships with the Media

IPM 39 **Challenges faced in Statistics Education in African countries**

Challenges faced in Statistical Education in Ethiopia

Statistics Education in Kenya-Developments and Challenges

Statistics Education in South Africa: Challenges and Successes



IPM 40 **Balancing the training of future statisticians for workplace and research**

[Balancing Theory and Application: A South African Perspective](#)

[The Likelihood Principle in Statistics](#)

[Training for Statisticians in a Research Organisation](#)

[Training Problem Solvers](#)

IPM 41 **Exploiting the Progress in Statistical Graphics and Statistical Computing for the Benefit of Statistical Literacy**

[How to Avoid Some Common Graphical Mistakes](#)

[Using R and GGobi to Enhance the Learning of Multivariate Analysis and Data Mining](#)

[Wikis, Dynamic Charts, Videos and other Innovative Tools to Transform Statistics into Knowledge](#)

IPM 42 **Survey Research in Statistics Education**

[Did It Make a Difference? Evaluating Transformational Change in the Statistics Classroom](#)

[Methodological problems of survey applications in statistics education](#)

[Teaching statistics through surveys - Experiences at the University of Southampton](#)

IPM 43 **Research on Informal Inferential Reasoning**

[Cognitive Development of Informal Inferential Reasoning](#)

[Informal Inferential Reasoning About Large Scientific Data Sets](#)

[Insights into Informal Inferential Reasoning in the Primary Classroom](#)



IPM 44 Teaching, Learning and Assessing Statistics Problem Solving in Higher Education

Issues of Assessment when Teaching through Problem Solving

Similarities and contrasts in learning problem-solving in statistical data analysis and modeling

The application of problem-based learning to statistics education: a case study

IPM 45 Technologies for learning and teaching in developing countries

Integration of the Technology Use into Statistical Classroom through Networks of Learning Activities

Large group teaching and technology – don't throw the baby out with the bathwater

Mobile learning for Statistics Education in KNOU

IPM 46 Virtual Learning Environments for Statistics Education

An Introduction to Probability with R

Biostatistics at a Distance

Relating student learning preferences in a blended learning environment for learning statistics to student characteristics

Specialized web-based tools for teaching statistical concepts and experimentation skills

IPM 47 Designing and Conducting Surveys in Adverse Conditions

Designing and Conducting Surveys for Hidden Economy

Designing and Conducting Surveys in Adverse Conditions



The Development of Special Census Bureau Products After Hurricane Katrina

IPM 48 Sampling and Estimation Issues in Health Statistics

An estimate of the magnitude and trend of HIV/AIDS epidemic using data from the routine VCT services as an alternative data source to ANC sentinel surveillance in Addis Ababa, Ethiopia

Gender Inequality on the Awareness of HIV/AIDS in Bangladesh

Sampling and Estimation Issues in the National Immunization Survey

IPM 49 Measuring and Assessing Respondent Load

Measurement of Respondent Load at Statistics New Zealand

Measuring and Assessing Respondent Load: A case study by Statistics South Africa

Understanding Perceived Response Burden in Business Surveys

IPM 50 New Developments in Monitoring and Controlling Field Data Collection Activities

Experiences in Assessing and Monitoring Survey Productivity and Costs in Household Surveys at Statistics Canada

Identification of Optimal call patterns for Intensive Follow-up in Business Surveys using Operations Research Methods

Responsive Survey Design Using Paradata-Guided Management



IPM 51 Recent Developments in Survey Methodology Research - Design and Estimation

Empirical Likelihood Methods for Inference from Multiple Frame Surveys

Estimation using structural time series models accounting for rotating panel designs

Using Auxiliary Information in the Calculation of Order Statistics and Estimated Totals in a Large Scale Production Environment

IPM 52 Outliers in Complex Sample Surveys

A unified approach to robust estimation in finite population sampling

Outlier Robust Small Area Estimation

Robust Multivariate Imputation with Survey Data

IPM 53 Nonresponse Bias in Surveys

Nonresponse bias in a cross-national study

Representativeness indicators for measuring and enhancing the composition of survey response

The Use of an Array of Methods to Evaluate Nonresponse Bias in an Ongoing Survey Program

IPM 55 New Methodologies in Sampling Rare and Elusive Populations

Network methods for sampling rare and elusive populations

Network Sampling and Adaptive Sampling in Tandem: Field Tested in a Child Labour Survey

Sampling and Oversampling Rare Subpopulations



IPM 56 Modeling Economic Data to Produce Small Area Estimates

Estimation of Poverty Measures in Small Areas

On some robust estimators for Polish Business Survey

The Use of Sample Design Features in Small Area Estimation

IPM 57 Integrated Household Surveys - Design, Implementation, and Estimation

Data pooling: constructing estimates across collections

Development of an Integrated Household Survey System: The Brazilian Experience

Survey harmonisation in official household surveys in the United Kingdom

The Canadian Experience in Creating a Master Sample

IPM 58 Issues in Price Index Methodology and Measurement

Organiser and chair: Sylvie Gauthier

A general rescaling bootstrap procedure with an application to Price Index surveys using Poisson or sequential Poisson sampling

Alternative Measures of U.S. Consumer Prices

Variance Estimation for Price and Volume Indices in the UK Office for National Statistics

IPM 59 Dissemination of Survey Results to Public

Dissemination of Survey Data at the U.S. Bureau of the Census

Innovative Technology to Improve Quality and Enhance Stakeholder Satisfaction

Statistical dissemination and Trust



IPM 60 **What Role, if any, should weights play in the Analysis of Survey Data**

Improving the Efficiency of Weighted Regression Estimators

The analysis of structural equation models in the case of complex survey data

The role of survey weighting in analysis of complex survey data: An overview

IPM 61 **Capturing Unobserved Heterogeneity in Latent Variable Modelling**

Discovering multidimensional unobserved heterogeneity through model-based cluster analysis

Path Modeling Segmentation Trees: A Simulation Study of PATHMOX Sensitivity with Non-Normal Data

Using Categorical Indicators in order to take into account Unobserved Heterogeneity in PLS Path Modeling

IPM 63 **Statistics in Finance**

CDO Pricing with Copulae

Counterparty and Non-Random Risk

Pricing of Non-Performing Assets

IPM 64 **Statistics in the Pharmaceutical Industry**

A perspective on the quantitative assessment of the safety of pharmaceuticals during their life-cycle in a global environment



Statistical issues in global drug development with a close look at Japan and the Asian region
Statistical methods in the pharmaceutical industry - where to go?

IPM 66 Energy Statistics

Energy statistics. Some observations and challenges
Improving electricity market price scenarios by means of forecasting factor models
Major problems encountered when compiling global energy data

IPM 67 Models of modern data and metadata systems

A Model Data Producer: The Importance of Sound Metadata Management – Botswana’s Case
Documenting the Research Life Cycle: One Data Model, Many Products
Innovative Technologies For Statistical Production: Statistics South Africa Experiences
Integrative analysis of cancer genomics data
Metadata at Statistics Canada: Implementation opportunities and challenges
SDMX as the logical foundation of the data and metadata model at the ECB

IPM 68 Risks in Finance - The state of the art in statistical methods

Advanced Measurement Approach for banks
Creating a statistical framework for the measurement of credit risk transfers – the ECB experience
Macroprudential analysis of the financial system - the case of South Africa



Prudential supervision of banks in the South African context – The Supervisory Review and Evaluation Process

IPM 69 Quantification of qualitative data from surveys

Inflation Expectations in Turkey: Consumer Survey Based Results

Measuring and examining consumer inflation expectations in Europe

Quantification of qualitative data (The case of the Central Bank of Armenia)

IPM 70 The size and impact of statistical revisions

Forecasting Monthly Industrial Production in Real-Time: from Single Equations to Factor-Based Models

Statistical revisions - a European perspective

IPM 71 Statistics of institutional investors

A perspective on the South African flow of funds compilation – theory and analysis

Broadening the Institutional Coverage of Financial Statistics in the Euro Area

Nominees, Registries and Settlement Systems: gathering securities statistics for soundness and efficiency purposes

Sources and methods for Institutional Investors in Euro Area Accounts



IPM 72 Measuring access to monetary and financial services

Access to Financial Services in Argentina: A National Survey

Measuring the evolution of monetary and financial services in Portugal

The measurement of consumer access to financial services in South Africa

IPM 73 Relative survival

Goodness of Fit in Relative Survival Regression

Regression spline-based flexible relative survival model: estimation, inference and validation

Relative Survival: understanding the concept and promoting its utilization

IPM 74 Group sequential analysis design

Comparing Efficiency for Adaptive and Non-Adaptive Group Sequential Designs

Exploring the benefits of adaptive sequential designs in time-to-event settings

Improvements on the Closure Testing Principle in Data Adaptive Group Sequential Randomized Trials

IPM 75 Inference and prediction in competing risks and multi-state models

Analysing the impact of intermediate events in multistate models

Inference and prediction in multi-state models: The additive approach

Practical aspects of multistate modelling: Representation, timescales and prediction



IPM 76 Challenges and new advances of large dimensional

Nonparametric Estimation of the Bivariate Survivor Function

Statistical Methods for Genetic Risk Estimation of Rare Complex Genetic Diseases

Uncovering Symptom Progression History from Large Disease Registries, with Application to Young Cystic Fibrosis Patients

Variable Selection for failure time data via penalized pseudo-likelihood

IPM 77 Statistical methodology for the analysis of sleep studies

Characterizing and Quantitating Normal and Abnormal Sleep

Generalized Multilevel Functional Regression

On the analysis of multiple sleep hypnograms

Signal extraction in the analysis of EEG activity during sleep

IPM 79 Prognostic modeling for proteomic data

Comparing classification methods in diagnosing breast

Confidence Machine for Proteomic Pattern Diagnostics

Mass spectra analysis through penalized logistic regression

Random Forest classification of samples based on proteomic profiles from mass spectrometry



IPM 80 Measuring fertility

A nation-wide fecundity study based on the current duration and prevalent cohort designs
Assessing the effect of education on fertility for a cohort of Danish women
Rates of births and induced abortions in Denmark according to age, previous births and previous abortions

IPM 82 Statistical Issues associated with climate change

A Comprehensive statistical system for the analysis of climate change
Some extreme value problems in climate research
The Role for Statisticians in Climate Change Research

IPM 83 New studies of the association between human health and pollution and their impact in air quality regulation

Changes in long-term geographical associations of pollution with mortality
Modeling Chronic Effects of Air Pollution on Children's Respiratory Health: A Move Towards Integration
Multidimensional Semiparametric Prediction with Cointegration in errors for Pollution Indicators

IPM 84 Spatial modeling of large and disparate environmental datasets

Fusing point and area level space-time data with application to wet deposition
Spatial Data Assimilation for Regional Environmental Exposure Studies



Spatial Modeling for Large Multivariate Environmental Datasets: Advancing Methods and Applications

IPM 85 Mesoscale studies of temperature trend

Accounting for Changepoints in Temperature Series

Past Temperature Reconstruction Using a Bayesian Hierarchical Model

USA Changepoint Adjusted Temperature Trends

IPM 87 New methods for improving access to statistics by the general public

Innovative Approaches to Turning Statistics into Knowledge - Promoting Informed Decision Making

Mobile Enabling the ABS Website

Web 2.0 and Official Statistics: the UK perspective

IPM 88 Statistics for Development

Financing Statistics for Development Results

Statistical development: An EU/Africa partnership

Statistics to Support Africa's Special Development Needs



IPM 89 Institutional Strengthening - Building and maintaining the infrastructure in an environment of scarce resources

Challenges of statistical infrastructure in Africa

Changing Statistics Netherlands: SN Modernization Programme

Communication and Public relations: A paramount component to develop sustainable statistical infrastructure

Statistical Infrastructure and Census Implementation in Conflict Countries: Case Study of Palestine

IPM 90 Institutional Strengthening - The role of Official Statistics in Meeting Global Challenges

Globalization and Global Food Crises: The Role of Official Statistics in the African Context

How can official statistics contribute to the analysis of climate change impacts, vulnerability and policies

Measurement Challenges of Globalization

IPM 91 Institutional Strengthening - Developing the capability of the people producing and analysing official statistics

Building minimum statistical capacity for reliable national statistics

Mentoring in Statistics: A Systematic Review and Suggestions for Reform

Statistical Capacity Building in International Development Cooperation - Experience with E-Learning in Sub-Saharan Africa



Statistical Training: A Pillar for Strengthening Capacity for Statistics Development for Better Development Outcomes

IPM 92 Biostatistics in Health the case of HIV/AIDS

A Bayesian approach to assessing uncertainty in a model of the HIV/AIDS epidemic in South Africa

Back-calculation of HIV incidence when HAART is available and using prevalence data

Estimation of Constant and Time-Varying Dynamic Parameters of HIV Infection in a Nonlinear Differential Equation Model

IPM 93 Statistics in Africa

A study of external advice provided to the South African statistical office: necessary conditions for success

Perspectives on Economic Statistics

Statistical Development in Africa: Governance Models

Statistical Development: the case for Mozambique

IPM 94 Do new trends in official statistics, more administrative data and use, with governmental guarantee for independency, present new ethical dilemmas?

Building confidence in the use of administrative data for statistical purposes

How Statutory and Regulatory Changes May Create New and Unintended Challenges for Statistical Agencies

Statistics or exposure? - Ethical dilemmas posed by the combination of survey and register data



The Challenge of Developing Good Quality Demographic Statistics for Indigenous Australians
The Marriage of Impartiality and Practical Utility

IPM 95 Adversarial Risk Analysis

A Framework for Adversarial Risk Analysis
Adversarial Risk Analysis in Counterterrorism
Adversarial Risk Analysis, Influence Diagrams, and Auctions

IPM 96 Progress, politics and statistics: interactions and implications

Development and policy indicators: The role of accountability in a developing state
Measuring the Progress of Societies: Statistics & Policy - Statisticians & Policy Makers
National Time Accounting: The Currency of Life
TBA

IPM 97 Estimating demographic statistics with flawed vital registration systems

Cape Town mortality surveillance highlights differential health needs within the metropole
Demographic Surveillance: the solution for civil registration in Africa
What Can Be Done With Incomplete Civil Registration Data: Potential and Pitfalls



IPM 98 Issues in the analysis of multivariate data in the spatial domain

A Kernel Version of Spatial Factor Analysis

Spatial latent variable modeling for integrating output from multiple climate models

Structuring complex correlations: an overview of multivariate spatial approaches

IPM 99 Biostatistics and Clinical Research: A Symbiosis

Biostatistics at a Research Centre at the interface between the biomedical and statistical sciences

Biostatistics, its development and dissemination to clinical researchers

ISCB: promoting statistical developments in clinical research

Spatial canonical correlation for identifying, connecting and completing Gene - expression networks

IPM 100 Improving Data Archiving and Dissemination Systems for a Better Access and Utilization of Survey and Census Data

African Microdata Access Survey 2009

Data Archiving in Uganda

IPUMS-International: lessons from 10 years of archiving and disseminating census microdata

La documentation, l'archivage et la dissémination des micro-données au Sénégal



IPM 101 Jan Tinbergen and Cochran-Hansen Awards for best papers by Young Statisticians

Estimating the returns to education in Carmeroon informal sector

Problem of estimation with balanced loss function in elliptical models

Small area estimation under transformation to linearity

Some results on lower variance bound: a unified approach

IPM 102 Invited paper meeting in honour of David G. Kendall

David G. Kendall: his life, his work and his significance for ISI

David Kendall's Contribution to the Application of Statistics in Archaeology and Related Matters

From Kendall Shape to Radon Shape via Structural Biology

IPM 103 President's invited papers meeting

Modern trends in data mining

The evolution of controlled intervention studies: An international achievement

Untutored speculations on the subtle role of perspective in statistical endeavour