Rita Cristina Pinto de Sousa

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Economics and Research Department

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Education

Faculty of Science and Technology - New University of Lisbon

    Ph.D. in Statistics and Risk Management

    Specialization in Statistics, (*Unanimously Approved*), 2009-2013

Faculty of Science, University of Porto

    Master in Statistics (*Very Good*), 1999-2000

    Licenciatura in Applied Mathematics, 1994-1998

Professional experience

Banco de Portugal, since 2015

    Senior Data Analyst, Microdata Research Laboratory (BPLIM),

        Economics and Research Department

Statistics Portugal, 2000-2015

    Methodologist

    Department of Methodology and Information Systems at Statistics Portugal

BPI Investiment, 1999

    Informatics Technician, Post-academic training

Teaching experience

Porto Business School, 2009-2011

    Invited Assistant Professor,

    Post-Graduation in Information Management and Marketing Intelligence

Faculty of Science - University of Porto, 2000-2009

    Invited Assistant Professor,

    Department of Applied Mathematics

Research interests

Statistical Disclosure Control; Sampling; Estimation using Auxiliary Information.

Publications

"Improved Ratio and Regression Estimators of the Mean of a Sensitive Variable in Stratified Sampling" (with G. Kalucha, S. Gupta and J. Shabbir), *Statistics and Applications*, Vol 15(1-2), 2017, pp. 63-78

"Improved Exponential Type Estimators of the Mean of a Sensitive Variable in the Presence of Nonsensitive Auxiliary Information" (com S. Gupta, J. Shabbir e P. Corte-Real), *Communications in Statistics - Simulation and Computation*, 2016, DOI: 10.1080/03610918.2014.941487

"Improved Mean Estimation of a Sensitive Variable Using Auxiliary Information in Stratified Sampling" (with S. Gupta, J. Shabbir and P. Corte-Real), *Journal of Statistics and Management Systems*, Vol 17(5-6), 2014, pp. 503-518

"Exponential Type Estimators of the Mean of a Sensitive Variable in the Presence of Nonsenstive Auxiliary Information" (with N. Koyuncu and S. Gupta), *Communications in Statistics - Simulation and Computation*, Vol 43(7), 2014, pp. 1583-1594

"Estimation of the Mean of a Sensitive Variable in the Presence of Auxiliary Information" (with S. Gupta, J. Shabbir and P. Corte-Real), *Communications in Statistics - Theory and Methods*, Vol. 41(13-14), 2012, pp. 2394-2404

"Ratio Estimation of the Mean of a Sensitive Variable in the Presence of Auxiliary Information" (with J. Shabbir, P. Corte-Real and S. Gupta), *Journal of Statistical Theory and Practice*, Vol. 4(3), 2010, pp. 495-507

***Working papers* and work in progress**

"Weighted Regression Estimation of the Mean of a Sensitive Variable in the Context of Confidentiality"

Other publications

"Mobilidade da Mão-de-Obra entre Estados Relevantes do Mercado do Trabalho da Região Norte, 1998-2000 – Uma Aplicação com Cadeias de Markov" (with S. Torres), *Revista Portuguesa de Estudos Regionais*, 2º trimestre de 2003

"Estimação de estado em modelos lineares por bocados em tempo discreto: comparação numérica de dois procedimentos" *RevStat Statistical Journal*, 2º Quadrimestre de 2000

Member of:

"*Centro de Matemática e Aplicações - FCT/UNL*"