

# **SUNOVA & SHAPE 2014**

**Statistics with Unobservable Variables**

**Statistical Models For Human Perception And Evaluation**



*Workshop dedicated to the memory of Prof. Livia Dancelli*

**October 21, 2014**

**Sala Biblioteca**

**Department of Economics and Management**

Via S. Faustino, 74/b – Brescia

**University of Brescia**

**9.30-9.40 INTRODUCTION**

**MAURIZIO CARPITA** *University of Brescia*

**MARCO BELFANTI** *Head of DEM - University of Brescia*

**9.40-11.00 KEYNOTE LECTURES - CHAIR: EUGENIO BRENTARI**

**GERHARD TUTZ** *Ludwig-Maximilians-University, Munich*

**REGULARIZATION METHODS FOR CATEGORICAL DATA**

**DANIEL OBERSKI** *Tilburg University*

**A MEASURE TO EVALUATE MODEL FIT BY SENSITIVITY ANALYSIS**

**11.00-11.30 COFFEE BREAK**

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**11.30-13.10 THE SHAPE SESSION – CHAIR: MAURIZIO CARPITA**

**A COMPREHENSIVE APPROACH TO ORDINAL DATA MODELLING**

MARIA IANNARIO, DOMENICO PICCOLO *University of Naples Federico II*

**PERCEPTIONS' ANALYSIS WITH NONLINEAR CUB MODELS**

MARICA MANISERA, PAOLA ZUCCOLOTTO *University of Brescia*

**AN OVERVIEW OF THE LATENT MARKOV MODELS**

FULVIA PENNONI *University of Milano-Bicocca*

**MODELLING APPROACHES TO ANALYZE THE PERCEPTION  
OF WORKING CONDITIONS**

STEFANIA CAPECCHI *University of Naples Federico II* AND MILOS KANKARAS *EUROFOUND, Dublin*

**CLUSTERING RANKING DATA IN MARKET ANALYSIS**

EUGENIO BRENTARI, LIVIA DANCELLI, MARICA MANISERA, MARIKA VEZZOLI *University of Brescia*

**13.10-14.30 LUNCH**

**14.30-17.00 THE SUNOVA SESSION – CHAIR: DOMENICO PICCOLO**

**MULTIDIMENSIONAL ITEM RESPONSE THEORY MODELS FOR ORDINAL DATA  
IN CUSTOMER SATISFACTION EVALUATION**

FEDERICO ANDREIS, PIER ALDA FERRARI *University of Milan*

**PREDICTING ECONOMIC PUBLIC OPINIONS IN EUROPE**

ENRICO CIAVOLINO, MARIANGELA NITTI *University of Salento* AND MAURIZIO CARPITA *University of Brescia*

**STRUCTURAL EQUATION AND RASCH MODELS**

**FOR POLYTOMOUS DATA: A COMPARISON**

SILVIA GOLIA, ANNA SIMONETTO *University of Brescia*

**A COMPARISON BETWEEN DIFFERENT IRT MULTIDIMENSIONAL MODELS  
FOR ANALYSING RESIDENTS' SUPPORT TOWARD TOURISM**

CRISTINA BERNINI, MARIAGIULIA MATTEUCCI, STEFANIA MIGNANI *University of Bologna*

**THE RASCH MODEL AND THE SUFFICIENCY ISSUE**

LUCIO BERTOLI-BARSOTTI *University of Bergamo*

**SIMULATING THE DISCRETIZATION PROCESS RESULTING  
FROM THE LIKERT SCALE ADOPTION**

GIUSEPPE BOARI, MARTA NAI RUSCONE, *Catholic University of the Sacred Heart, Milan*

**BAYESIAN NETWORKS: ROBUSTNESS AND SENSITIVITY ISSUES**

FEDERICA CUGNATA *University of Turin*

RON KENETT *KPA Ltd., Raanana, Israel and University of Turin, NYU-Poly, NY, USA*

SILVIA SALINI *University of Milan*

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