

MIGHEAL

***HEALTH INEQUALITIES
AMONG MIGRANT
POPULATION***

***Subproject 4 / Activity 6:
Bilateral Cooperation***

WP Leader: NTNU

Statistical seminar in
advanced social statistics
-multilevel analysis

November 10-11, 2016

Short Report

Deliverable No. 8



MINISTRY OF EDUCATION,
RESEARCH AND RELIGIOUS
AFFAIRS
GENERAL SECRETARIAT FOR
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PROGRAMME OPERATOR



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HEALTH INEQUALITIES AMONG MIGRANT POPULATION

**Statistical seminar in
advanced social statistics and multilevel analysis**

***November 10-11, 2016
Trondheim, Norway***

Short Report

Project Title	HEALTH INEQUALITIES AMONG MIGRANT POPULATION
Subject area	Research within Priority Sectors
Funding	Financial Mechanism (FM) of the European Economic Area (EEA)
PROJECT CODE EOX	GR 07/3807
Programme Operator	General Secretariat for Research and Technology – Ministry of Culture, Education and Religious Affairs
Coordinator	National Centre for Social Research (EKKE), Greece
Partner	Norwegian University of Science and Technology (NTNU), Norway
Principal Investigators	Theoni Stathopoulou Research Director, EKKE Terje Andreas Eikemo, Professor, NTNU

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List of Participants

National Centre for Social Research (EKKE)

Theoni Stathopoulou, Research Director, National Centre for Social Research, Scientific Coordinator

Aliki Mouriki, Researcher, National Centre for Social Research

Lydia Avrami, Research Assistant, National Centre for Social Research

Norwegian University of Science and Technology

Terje Andreas Eikemo, Professor, Department of Sociology and Political Science, Norwegian University of Science and Technology, Scientific Coordinator

Per Stornes, PhD candidate, Norwegian University of Science and Technology

Advisory Board

Anastasia Kostaki, Professor, Head of Statistics Department, Athens University of Economics and Business



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Short Report

In the context of bilateral co-operation between EKKE and NTNU, the EKKE team attended a two days statistical seminar in multilevel analysis organized by NTNU on November 10-11, 2016 in Trondheim, Norway. The course was held at the Dragvoll Computer Lab of NTNU.

It was an intensive seminar based on the topics NTNU is offering every autumn? in advanced social statistics (SOS8515/3515: Multilevel modeling). The course structure and educational material provided an overview of advanced statistical methods, focusing mainly on multilevel modeling. The seminar was organized by NTNU exclusively for the EKKE team and it was tailored to the research goals and analytical priorities of the MIGHEAL project. The hands-on section comprised practical examples and exercises, in relation to MIGHEAL analytical framework and ESS (European Social Survey) data.

The course tutor, Professor Tor Georg Jakobsen (NTNU) delivered six lectures covering the following issues: Basic principles and background of multilevel analysis, use of STATA for multilevel modeling, random intercept model, multilevel analysis with a two and three level structure, cross-level interaction, cross-classified multilevel model, logistic multilevel model, weighting and diagnostics.

Each lecture was followed by hands-on exercises, using STATA program (See attached Statistical Seminar's presentations). The course structure enhanced the active involvement of



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all participants, independently of the level of their statistical knowledge. The seminar provided a unique opportunity to advancing the participants' statistical skills and expertise.



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