

MAFE



Migrations between Africa and Europe

**An introduction to Event-history Analysis (discrete time models)
MAFE Workshop in Maastricht, 14-16 Feb. 2009**

Programme

Trainers:

- Coordination: Arnaud Bringé (Ined), with the support of Cris Beauchemin (Ined) and Tania Lejbowicz (Ined)
- Pau Baizan (UPF), Bruno Schoumaker (UCL)
- Sorana Toma (Ined) , Sophie Vause (UCL), Cora Mezger (Ined)

List of Participants

- Richard Black
- Marie-Laurence Flahaux
- Kim Caarls
- Djamila Schans
- Adriana Castaldo
- Valentina Mazzucato
- Sorana Toma
- Sophie Vause
- Cora Mezger
- Nirina Rakotonarivo
- Tania Lejbowicz

Minimal requirement for participants:

- Basic statistical knowledge (descriptive statistics, logit models)
- Basic knowledge of Stata (including descriptive statistics). For an introduction, see :
 - o <http://www.ats.ucla.edu/stat/stata/>
especially, the “Stata Starter Kit: Learning Modules” on:
http://www.ats.ucla.edu/stat/stata/sk/modules_sk.htm
 - o Alan C. Acock, 2008, A Gentle Introduction to Stata, Stata Edition
- Some reading on event-history analysis:
 - o Allison, 1982 (provided)
 - o Papers, posters or ppt presentations of the cases studies presented during the workshop (to be sent before the workshop)

Practical details

- At least one computer (with Stata 11) will be available for 2 persons.
- **If you come with your own computer, it would better to have Stata 11.**

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Tuesday 16 Feb.

- 9 :00 – 12 :00: Introduction
 - o Introduction: What can be done with MAFE data? Event-history analyses among other things...
 - o Event-history analysis in theory: General principles, Survival tables, Kaplan-Meier estimates, Discrete-time models
- 13:00 – 18:00: Event-history analysis in practice (Senegalese case study: a basic analysis of the determinants of international migration)
 - o Data management: How to prepare the files for analysis (Basic commands with Stata: expand, merge, reference to “_n”, etc.). ‘For details, see : http://www.ats.ucla.edu/stat/stata/topics/data_management.htm)
 - o Descriptive analysis prior to models (survival estimates, tabout)
 - o How to run the models and interpret the results / outputs
 - o Specific commands to vary the form of the ouput (coefficient, odds ratios, probabilities, method to export the results...)

Wednesday 17 Feb.

- 9 :00 – 12 :00: Event-history analysis in practice. Follow up
- 13:00 – 18:00: 2 case studies to discover the inside information of results already presented in other occasions. The idea is to explain how the idea of each paper was conceptualized and converted into statistical analysis. Hence an expected presentation of (1) the question(s) and hypotheses, (2) the file(s) and how they were built, (3) the analyses performed. Some exercises will be proposed.
 - o Sorana Toma and Sophie Vause: Migrant networks and gender in Congolese and Senegalese international migration
 - o Cora Mezger: Migration and investment in Senegal

Thursday 18 Feb.

- 9 :00 – 12 :00: 2 other case studies
 - o Pau Baizan : Destination choices among Senegalese migrants in Europe. The role of immigration and labor market policies. (Competing risks, multinomial logit models).
 - o Bruno Schoumaker : The measurement of out-migration trends. (Piecewise models, splines computation).
- 13:00 – 18:00: Discussion on analyses issues with the MAFE data. How to go further?
 - o Discussion on personal projects of analyses. Participants who are already using the data are expected to present the problems they encounter. Discussions will also be possible on new projects of analyses.
 - o Discussion on weights: how are they computed? When are they supposed to be used?