



# Faculté des sciences économiques, sociales et politiques

**ESPO**

## DEMO3542 Methods of analysing imperfect data and indirect techniques

[30h] 4 credits

**Teacher(s):** Dominique Tabutin  
**Language:** french  
**Level:** 3rd cycle course

### Aims

A presentation of the methods and techniques used in evaluating quality and correcting imperfect or incomplete data. An estimate of the classic demographic parameters based on indirect questions.

### Main themes

- The issue of ages, dates and durations: Illustrations, evaluation or quality, and techniques for adjusting and correcting.
- An introduction to demographic models useful in adjusting and studying quality (e.g. typical tables of mortality, stable and quasi-stable populations, and "logits").
- Child mortality: The importance and limitations of direct approaches (mainly the stories of examples of maternity), and the main indirect techniques.
- Adult mortality: The limitations of retrospective measurement, estimating on the basis of distributions of death by age, inter-census mortality, the survival of parents and close relatives, and elements of maternal mortality.
- Fertility: The importance and limitations of direct measurement (stories of examples of maternity, and the last 12 months), direct approaches (parity among mothers) and some specific problems.

### Content and teaching methods

A theoretical, illustrated and applied presentation of the approaches. The lectures will be accompanied by practical work and applications.

### Other information (prerequisite, evaluation (assessment methods), course materials recommended readings, ...)

Pre-requirement: Course DEMO 3426 ("Demographical analysis: mortality, fertility, migrations and structures").

Assessment: This will be based on two or three classroom examinations and individual work. There wil also be a syllabus.

### Other credits in programs

<b>DEMO3DA</b>	Diplôme d'études approfondies en démographie	(4 credits)	Mandatory
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