

Syllabus – Minor A 214 – Multilevel analysis

“Multilevel analysis has recently emerged as a useful analytical technique in several fields, including public health and epidemiology. Multilevel analysis originally developed in the fields of education, sociology, and demography, has received increasing attention in public health and epidemiology over the past few years”, especially in social epidemiology.

Learning objectives: at the end of the module, the students should be able to:

1. To identify the levels of analysis
2. To identify the principles of multilevel regression techniques
3. To recognize different concepts such as:
 - Different levels of variation
 - Intra-class correlation
 - Fixed and random effects
 - Individual & contextual factors
1. To identify multilevel structures
2. To apply different methods and use basic multilevel concepts

Master of Public Health - Semester 3 Week 43: from Monday 24th to Friday 28th of October 2011 (tbc)

Module 214 Minor A: Multilevel Analysis

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Location: Reid Hall 4 rue de Chevreuse – 75006 PARIS