



Workshop Program

Familial Testing and Identification

Sep 22-23 2016, Rome

Prof. Thore Egeland (teacher)

Dott.ssa Paola Di Simone, Ph.D and Dott.ssa Elisabetta Mei (course organisers)

Program revised: Sep 19 2016

Preparations for the workshop and the exercises: Participants should bring a laptop with the following freely available software installed: Familias 3, <http://familias.no/english/download/> (preferably version 3.1.9.6 available from Sep 19 2016). Assistance for installation will be provided at the workshop, if needed. Note that installation is typically only possible if you are administrator on your laptop. The exercises are from the book [Relationship Inference with Familias and R](#) by Egeland, Kling, and Mostad, but the required material (exercises, solutions, input files) are freely available. Please download the following files to your computer or a memory stick as they will be needed for the exercises: [Selected exercises](#), [solutions all exercises](#), input files Familias exercises [Ch2](#) and [Ch3](#). (Further material, including videos, is available from familias.name/book.html.)

Sep 22

09.30 – 09.45	Practical Information <i>Paola – Elisabetta (Course Organisers)</i>
09.45 – 11.00	Basics: Background, Paternity and kinship analysis: basic methods and principles. Paternity Index, Likelihood Ratio, W, Bayes theorem <i>Paola and Elisabetta in Italian and Thore</i>
11.00 – 11.30	Coffee break
11.30 – 12.00	Introduction to Familias 3
12.00 – 12.45	Exercises 2.1-2.3
12.45 – 13.30	Discussion of exercises. Complex pedigrees. Inbreeding.
13.30 – 14.30	Lunch

14.30 – 15.30 [Theta correction, mutations, silent alleles.](#)
[Import from GeneMapper.](#)
15.30 – 17.00 [Exercises](#) Familias 3: 2.4-2.7, 2.9, 2.11.
17.00 – 17.30 Discussion of exercises.

Sep 23

09.00 – 10.00 [Simulation. Drop-out](#)
10.00 – 10.30 [Exercises](#) Familias 3: 2.15-2.17 (and previously unfinished)
10.30 – 11.00 Coffee break
11.00 – 12.00 [Blind search. Disaster Victim Identification \(DVI\)](#)
12.00 – 13.00 Familias 3 DVI [Exercises](#) 3.2, 3.1, 3.3
13.00 – 14.00 Lunch
14.00 – 15.00 DVI continued. Familial searching.
15.00 – 16.30 [Exercises](#) 3.6 and previously unfinished.
16.30 – 17.00 Discussion of exercises. Summary