

LIVES Doctoral Program,

Sequential data analysis
Advanced module

Geneva, Switzerland, April 25-26, 2012

■ ■ General information

- Dates:** April, 25-26, 2012
- Location:** Unimail
University of Geneva
Boulard du Pont d'Arve, 40
CH-1211 Geneva 4
- Costs:** Participation, lodging and meals are free of charge for speakers and registered participants.
- Participants will be reimbursed for transportation costs at the rate of the ½ CFF/SBB fare in 2nd class.

■ ■ Schedule, April 25, 2012

9h-10h30 Ph. Blanchard, F. Bühlmann and J.-A. Gauthier

Theoretical and epistemological questions in sequence analysis.

Key questions: causality, timing, sequence patterns, related methods.

Discussion with participants: application to their own research studies and data.

10h30-11h00 Break

11h00-12h15 TraMineR team (A. Gabadinho)

Entropy, turbulence and complexity of sequences

Hands-on

12h15-13h30 Lunch

13h30-14h00 TraMineR team (G. Ritschard & E. Rousseaux)

Building state sequences from panel data

14h00 15h15 TraMineR team (G. Ritschard, A. Gabadinho, M. Studer)

Issues with sequential data: missing data, unequal sequence lengths, weights, state definition, time granularity, time alignment, ...

15h15-15h45 Break

15h45 17h15 TraMineR team (G. Ritschard)

About dissimilarity measures (choice of the measure, defining costs, normalization, handling missing data)

■ ■ Schedule, April 26, 2012

9h-10h30 TraMineR team (M. Studer)

Cluster analysis: methods, validation, and relationship with covariates

10h30-11h00 Break

11h00-12h15 TraMineR team (A. Gabadinho)

Representative sequences and trajectory-types

12h15-13h30 Lunch

13h30-14h45 Invited talk: Cees Elzinga, VU University, Amsterdam

Intergenerational transfer of demographic patterns

14h45-15h15 Break

15h15-17h00 TraMineR team (M. Studer)

Discrepancy analysis of state sequences

17h00 Aperitif

■ ■ List of speakers

Blanchard	Philippe	Philippe.Blanchard@unil.ch
Bühlmann	Felix	felix.buhlmann@unil.ch
Gabadinho	Alexis	Alexis.Gabadinho@unige.ch
Gauthier	Jacques-Antoine	Jacques-Antoine.Gauthier@unil.ch
Elzinga	Cees	c.h.elzinga@vu.nl
Ritschard	Gilbert	Gilbert.Ritschard@unige.ch
Rousseaux	Emmanuel	Emmanuel.Rousseaux@unige.ch
Studer	Matthias	Matthias.Studer@unige.ch

■ ■ Coordination of the ProDoc LIVES

Fagot	Delphine	delphine.fagot@unige.ch
Oris	Michel	michel.oris@unige.ch

■ ■ List of participants

Adrien	Remund	adrien.remund@unige.ch
Aeby	Gaëlle	Gaëlle.Aeby@unil.ch
Araujo	Pedro	pedro.araujo@unil.ch
Bolano	Danilo	Danilo.Bolano@unige.ch
Brandle	Karen	karen.brandle@unil.ch
Burgin	Reto	Reto.Burgin@unige.ch
Colombi	Denis	colombi.denis@gmail.com
Constantin	Sandra	Sandra.Constantin@unige.ch
Dasoki	Nora	Nora.Dasoki@unil.ch
Eberhard	Jacob	jakob.eberhard@unil.ch
Falcon	Julie	julie.falcon@unil.ch
Gabriel	Rainer	Rainer.Gabriel@unige.ch
Galhano	Laura	Laura.Galhano@hef-ts.ch
Girardin	Nadia	Nadia.Girardin@unil.ch
Guarin	Andres	ederandres.guarinrojas@unil.ch
Henke	Julia	julia.henke@unige.ch
Murphy	Emily	Emily.Murphy@unil.ch



Swiss National Centre of Competence in Research

Spahni
Zhelyazkova

Stefanie
Nevena

stefanie.spahni@psy.unibe.ch
nevena.zhelyazkova@maastrichtuniversity.nl