

**LIVES Doctoral Program,**

**Sequential data analysis**  
*Beginner module*

**Geneva, Switzerland, April 18-19, 2012**

## ■ ■ General information

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- Dates:** April, 18-19, 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 2<sup>nd</sup> class.

## ■ ■ Schedule, April 18, 2012

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

*Emergence of sequence analysis in the social sciences. Examples from political science and history, from micro-sociology of the family, and from social mobility studies.*

10h30-11h00 Break

**11h00-12h30** TraMineR team (G. Ritschard)

*Introduction to TraMineR, definitions and concepts  
Overview of what will be seen  
Hands-on: seqdef, print and index plot*

12h30-13h45 Lunch

**13h45-15h45** TraMineR team (A. Gabadinho)

*Describing a set of sequences (plots, transversal and longitudinal characteristics)*

15h45-16h15 Break

**16h15-17h15** TraMineR team (A. Gabadinho)

*Hands-on: Rendering sequences and their characteristics*

## ■ ■ Schedule, April 19, 2012

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**9h-10h30** TraMineR team (G. Ritschard)

*Sequential data formats (retrieving spell and person-period data)*

10h30-11h00 Break

**11h00-12h30** TraMineR team (M. Studer)

*Measuring pairwise dissimilarities and clustering: basic principles*

12h30-13h45 Lunch

**13h45-15h30** TraMineR team (M. Studer)

*Optimal matching and other distances, partitioning around medoids, how are clusters related to covariates?*

15h30-16h00 Break

**16h00-17h15** Invited talk: Raffaella Piccarreta, Bocconi University

*A divisive tree approach for clustering sequence data*

17h00 Aperitif

## ■ ■ List of speakers

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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
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Ritschard	Gilbert	Gilbert.Ritschard@unige.ch
Studer	Matthias	Matthias.Studer@unige.ch

## ■ ■ Coordination of the ProDoc LIVES

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## ■ ■ List of participants

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