Saint-Clair Chabert-Liddell

PhD. Student at INRAE/Paris-Saclay University

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www.chabert-liddell.com • Chabert-Liddell
14 November 1978 • Married • French citizen

Research Themes

Methods: Networks, Latent variable models, Clustering, Random graphs, Variational inference
Applications: Social science, Ecology

PhD. Student in Applied Mathematics

2018 – : INRAE / Paris-Saclay University
Title: *Statistical learning of collections of networks with applications in ecology and sociology*
Supervisors: Sophie Donnet, Pierre Barbillon UMR MIA-Paris

Education

UPMC – Sorbonne University **Paris**
Master in applied mathematics – specialization in statistics, highest honors *2016 – 2018*

UPMC – Sorbonne University **Paris**
Bachelor in mathematics, high honors *2013 – 2016*

Previous Experience

Professional poker player *2006 – 2015*
Played mostly on-line while traveling in over 20 different countries.
Focus on poker theory and modeling with advanced usage of dedicated analytical tools.

Le Monde, Net Gamer, PC Jeux
Freelance reporter *1999 – 2006*
Specialized in video games, reports in South Korea and Great Britain.

1st sponsored eSports team in France
Co-founder of Good Game *1997 – 2001*
Organizer of the French qualifying tournament for the Samsung WCGC
Developer of WCGC and Good Game websites. Television and magazines appearances.

Teaching

Agroparistech **16h30**
Practical work in Data Science: Statistical Learning, MSc in engineering 1st year *2020 – 2022*

Agroparistech **33h**
Tutorial in Statistics, BSc in engineering 3rd year *2018 – 2021*

Agroparistech **13h30**
Practical work in Linear Model, MSc in engineering 1st year *2018 – 2020*

Agroparistech **3h**
Advanced Course in Mathematics: Introduction to Measure Theory, MSc in engineering 1st year *2018*

Scientific activities

Working groups

ANR Econet: Advanced statistical modelling of ecological networks

GdR Resodiv: Pluridisciplinary research group on methodological approaches to agrobiodiversity dynamics and around the study of circulation networks of biological objects (plants and animals)

State of the R: Group of researchers and engineers meeting to exchange around the latest innovations of R through a monthly workshop and an annual bootcamp

Reviewer

Journal: Social Networks

Animation

MIA Paris-Saclay: Organizer of the PhD student and postdoc seminar

Sunbelt 2020: co-chair of the session on blockmodeling multilevel, dynamic or temporal and linked networks

Publications

Saint-Clair Chabert-Liddell, Pierre Barbillon, Sophie Donnet, and Emmanuel Lazega. A stochastic block model approach for the analysis of multilevel networks: An application to the sociology of organizations. *Computational Statistics & Data Analysis*, 158:107179, 2021.

Saint-Clair Chabert-Liddell, Pierre Barbillon, and Sophie Donnet. Impact of the mesoscale structure of a bipartite ecological interaction network on its robustness through a probabilistic modeling. *Environmetrics*, page e2709, 2021.

Software

MLVSBM: `R` package for the simulation, inference and clustering of multilevel networks
`http://Chabert-Liddell.github.io/MLVSBM`, available on `cran`

robber: `R` package for computing the robustness of bipartite ecological interaction networks
`http://Chabert-Liddell.github.io/robber`, available on `cran`

Talks

Conference

Online

EUSN 2021 - 5th European Conference on Social Networks *2021*
A Stochastic Block Model for collection of networks: Do the networks share a common structure?

Online

JDS 2021 : 52ème Journées de Statistique de la SFDS *2021*
A stochastic block model for multilevel networks

Online

Sunbelt *2020*
Stochastic block model for multilevel networks unravels structural interdependence between the social and economic networks in a TV program trade fair

Seminar

Online

NetBio *2021*
Learning common stuctures in a collection of networks with the stochastic block model

Online

GdR Ecostat *2021*
Estimating the robustness of bipartite ecological networks with the bipartite stochastic block model

Munich

Costnet Winter School *2019*
Modeling and inference of multilevel interaction networks

Paris

Séminaire Agroparistech *2018*
Modeling and inference of multilevel networks

Miscellaneous

Languages

French: Native language

English: Fluent

Japanese: Conversational level *JLPT N2*

Interests

Travel: World tour while playing poker

Sports: Hiking, swimming, cycling, bouldering

Culture: Art-house cinema