

# Saint-Clair Chabert-Liddell

Looking for a Postdoc position

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



## Research Themes

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**Methods:** Networks, Latent variable models, Clustering, Random graphs, Variational inference

**Applications:** Social science, Ecology

## PhD in Applied Mathematics

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**2018 – 2022:** 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

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**UPMC – Sorbonne University**

*Master in applied mathematics – specialization in statistics, highest honors*

**Paris**

2016 – 2018

**UPMC – Sorbonne University**

*Bachelor in mathematics, high honors*

**Paris**

2013 – 2016

## Previous Experience

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*Professional poker player*

Played mostly on-line while traveling in over 20 different countries.

Focus on poker theory and modeling with advanced usage of dedicated analytical tools.

2006 – 2015

**Le Monde, Net Gamer, PC Jeux**

*Freelance reporter*

Specialized in video games, reports in South Korea and Great Britain.

1999 – 2006

**1<sup>st</sup> sponsored eSports team in France**

*Co-founder of Good Game*

Organizer of the French qualifying tournament for the Samsung WCGC

Developer of WCGC and Good Game websites. Television and magazines appearances.

1997 – 2001

## Teaching

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<b>Agroparistech</b> <i>Practical work in Data Science: Statistical Learning, MSc in engineering 1<sup>st</sup> year</i>	<b>16h30</b> 2020 – 2022
<b>Agroparistech</b> <i>Tutorial in Statistics, BSc in engineering 3<sup>rd</sup> year</i>	<b>33h</b> 2018 – 2021
<b>Agroparistech</b> <i>Practical work in Linear Model, MSc in engineering 1<sup>st</sup> year</i>	<b>13h30</b> 2018 – 2020
<b>Agroparistech</b> <i>Advanced Course in Mathematics: Introduction to Measure Theory, MSc in engineering 1<sup>st</sup> year</i>	<b>3h</b> 2018

## Scientific activities

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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

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**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*, 33(2):e2709, 2022.

## Software

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**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

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### Conference.....

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

*JDS 2021 : 52<sup>ème</sup> Journées de Statistique de la SFDS* **Online**  
2021  
A stochastic block model for multilevel networks

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

### Seminar.....

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

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

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

*Séminaire Agroparistech* **Paris**  
2018  
Modeling and inference of multilevel networks

## Miscellaneous

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### 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