

MARION HOFFMAN Ph.D.

Education


- Mar 2017**
- **Sep 2021**
- ETH ZÜRICH**
Zürich, SWITZERLAND
- Ph.D. in Science, Department of Humanities, Social, and Political Sciences.
Supervisor: Prof. Christoph Stadtfeld. Co-supervisor: Prof. Tom A. B. Snijders
- Sep 2015**
- **Sep 2016**
- PARIS-SACLAY UNIVERSITY**
Paris, FRANCE
- M.Sc. Degree in Network Industries and Digital Economics.
Awarded with Highest Honors.
- Sep 2012**
- **Sep 2016**
- SUPELEC (now CentraleSupélec)**
Gif-sur-Yvette, FRANCE
- "Grande Ecole d'ingénieur": M.Sc. Degree in Science and Engineering.
Major in Computer Science.
Awarded with Highest Honors.
- Sep 2010**
- **Aug 2012**
- LYCEE PIERRE DE FERMAT**
Toulouse, FRANCE
- French classes préparatoires (BSc level).
Major in Math and Physics, minor in Computer Science.


Contact

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 **Links**
twitter.com/marion_hof
github.com/marion-hoffman

 **Languages**
French (native C2)
English (fluent C2)
Spanish (intermediary B1)
Dutch and Italian (beginner A2)

Academic Positions

- Sep 2024**
- **now**
- ASSISTANT PROFESSOR** at the Department of Social and Behavioral Sciences,
Toulouse School of Economics
Toulouse, FRANCE
- Dec 2022**
- **Jun 2024**
- POSTDOC** at the Department of Sociology, University of Zürich
Zürich, SWITZERLAND
- Oct 2021**
- **Aug 2024**
- FELLOW** at the Institute for Advanced Study in Toulouse, Toulouse School of Economics
Toulouse, FRANCE
- Mar 2017**
- **Sep 2021**
- Ph.D. CANDIDATE** at the Chair of Social Networks, ETH Zürich
Zürich, SWITZERLAND
- Apr 2016**
- **Feb 2017**
- RESEARCH ASSISTANT** at the Chair of Cognitive Science, ETH Zürich
Zürich, SWITZERLAND

Industry Positions

- Jan 2015**
- **Jul 2015**
- R&D INTERN** at the Geoscience Research Center of Total E&P UK
Aberdeen, UNITED KINGDOM
- Jul 2014**
- **Jan 2015**
- SOFTWARE DEVELOPEMENT INTERN** at Météo France International
Toulouse, FRANCE

Additional academic experience

Jul 2023	Teacher, BIGSSS-CSS Summer School on Democratic Debate at Constructor University, Germany
May 2023	Research visit, University of Salerno, Italy
Mar 2022	Research visit, Geneva Graduate Institute, Switzerland
Mar 2020	Research visit, University of Oxford, United Kingdom
Oct 2019 - Feb 2020	Research visit, University of Groningen, The Netherlands
Sep 2018	Participant, V Mediterranean School of Complex Networks in Salina, Italy
Feb 2017	Participant, 9th Winter School on Longitudinal Social Network Analysis in Norrköping, Sweden

Services to the community

SOFTWARE	Creator and contributor of the R package "ERPM" for the analysis of partitions of individuals, since 2019 (https://github.com/marion-hoffman/ERPM)
	Contributor to the R package "Goldfish" for the analysis of relational event data, since 2016 (https://github.com/snlab-ch/goldfish)
EVENTS	Organizer of the Economics and Biology workshop "Inequality in networks" , IAST, June 2024
	Organizer of the IAST General Seminar , IAST, academic year 2023
	Member of the organizing committee of the event Friends of IAST , IAST, June 2022
CONFERENCES	Session organizer , ARS'23 Ninth International Workshop on Social Network Analysis, Naples, 2023
	Program committee member , 3 rd French Regional Conference on Complex Systems, Le Havre, 2023
	Program committee member , 7 th International Conference on Computational Social Science, Zürich, 2021
JOURNALS	Reviewer for the journals: <i>Social Networks</i> , <i>Network Science</i> , <i>Plos One</i> , <i>Plos Computational Biology</i> , and <i>EPJ Data Science</i> .

Teaching

Fall 2024	LECTURER , "Introduction à la sociologie quantitative", Toulouse School of Economics <i>Toulouse, FRANCE</i>
Spring 2024- 2025	LECTURER , "Graph Analysis", Toulouse School of Economics <i>Toulouse, FRANCE</i>
May 2023	GUEST LECTURER , "Social Network Analysis", University of Salerno <i>Salerno, ITALY</i>
Spring 2023	TEACHING ASSISTANT , "Graph Analysis", Toulouse School of Economics <i>Toulouse, FRANCE</i>
Mar 2022	GUEST LECTURER , "Social network theories and methods", Geneva Graduate Institute <i>Geneva, SWITZERLAND</i>
Fall 2020	TEACHING ASSISTANT , "Network Modeling", ETH Zürich <i>Zürich, SWITZERLAND</i>

— Additional teaching experiences —

- Jun 2024 **CO-TEACHER of a workshop for the R package “RSiena”**
“The analysis of longitudinal social network data using RSiena”, in June 2024, at the 44th Sunbelt Conference, Edinburgh, United Kingdom
- Jun 2024 **TEACHER for the BIGSSS-CSS Summer School**
Bremen, GERMANY
Lecture on “Introduction to relational event models” to summer school participants.
- Nov 2022
& Nov 2023 **SUPERVISOR of student group projects, University of Applied Sciences Utrecht**
Utrecht, THE NETHERLANDS
- 2017 - now **CO-TEACHER of workshops for the R package “Goldfish”**
 - “Goldfish: Estimating Network Event Models”, on 2022, Sep 12 at the 6th EUSN, Greenwich, UK
 - “Goldfish: Estimating Network Event Models”, on 2019, Sep 12, at the 4th EUSN, Zürich, Switzerland
 - “Relational Events: Estimating Dynamic Network Actor Models (DyNAMs) with the Goldfish Software”, on 2018, Jun 27, at the XXXVIII Sunbelt Conference, Utrecht, the Netherlands
 - “Relational Events: Estimating Dynamic Network Actor (DyNAM) Models with the Goldfish Software”, on 2017, Sep 12, at the 3rd EUSN, Mainz, Germany

— Publications —

- **Hoffman M.**, Stadtfeld C., & Elmer T. (in press). Dyadic isolation in social interactions: The role of depressive symptoms. *Social Psychology Quarterly*.
- de Matos Fernandes, C. A., **Hoffman, M.**, & Brouwer, J. (2024). Antecedents of student team formation in higher education. *Learning and Instruction*, 92, 101931.
- **Hoffman M.** & Chabot T. (2023), The Role of Selection in Socioeconomic Homophily: Evidence from an Adolescent Summer Camp. *Social Networks* 74, 259-274.
- **Hoffman, M.**, Block P., Snijders T.A.B. (2023). Modeling partitions of individuals. *Sociological Methodology* 53(1), 1-41.
- Elmer, T., Mephram, K., **Hoffman M.**, Boda, Z., Raabe, I. J., Vörös, A., & Stadtfeld, C. (2022). The Swiss Student Life Study: Codebook. *PsyArXiv*.
- **Hoffman, M.** (2021). Studying face-to-face interactions in groups: Models and applications (Doctoral dissertation, ETH Zürich).
- Vörös, A., Boda, Z., Elmer, T., **Hoffman, M.**, Mephram, K., Raabe, I. J., & Stadtfeld, C. (2021). The Swiss StudentLife Study: Investigating the emergence of an undergraduate community through dynamic, multidimensional social network data. *Social Networks*, 65, 71-84.
- Block, P., **Hoffman, M.**, Raabe, I. J., Dowd, J. B., Rahal, C., Kashyap, R., & Mills, M. C. (2020). Social network-based distancing strategies to flatten the COVID-19 curve in a post-lockdown world. *Nature Human Behaviour* 4(6), 588-596.
- **Hoffman, M.**, Block, P., Elmer, T., & Stadtfeld, C. (2020). A model for the dynamics of face-to-face interactions in social groups. *Network Science* 8(S1), 1-22.
- Graser, K., Wang, Y., **Hoffman, M.**, Bonanomi, M. M., Kohler, M., & Hall, D. M. (2019). Social Network Analysis of DFAB HOUSE: A Demonstrator of Digital Fabrication in Construction. *Engineering Project Organization Conference*, P. S. Chinowsky and J. J. Taylor, eds., Vail, CO, 1–21.

Awards

- **Project grant** awarded by the IAST, together with Marijn Keijzer, Maria Kleshnina, and Péter Bayer (approx. 17K€).
- **Best presentation award** at the International Conference on Complex Networks and Their Applications, December 2018 in Cambridge, UK.
- **Best Student project** at the the Mediterranean School of Complex Network, 2018 in Salina, Italy.
- **Master thesis grant** awarded by the Zeno Karl Schindler Foundation (approx. 10KCHF).

Invited talks

- Satellite Symposium “Statistical Inference for Network Models” for the **NetSci 2023 Conference** in Vienna, Austria (2023 July 11)
- Statistics seminar, **University of Kent**, UK (2023 Mar 16).
- Séminaire Savoir, réseaux, et médiation, **Université Toulouse Jean Jaurès**, France (2023 Jan 27).
- Mathematics and Statistics seminar, **Toulouse School of Economics**, France (2022 Dec 8).
- Symposium on Social network and demographic models, CEFE-CNRS, **University of Montpellier** (2022 Oct 10-11)
- Mitchell Center Seminar, **University of Manchester**, UK (2022 Feb 23).
- Seminar of the Leverhulme Centre for Demographic Science, **University of Oxford**, UK (2020 Mar 11).
- Sociology Colloquium, **University of Groningen**, The Netherlands (2019 Nov 27).

Conference presentations

- **Hoffman M.**, Lazega E. (2024, Jun 24-30). *Modeling the mechanisms driving the co-constitution of groups and individuals at the Commercial Court of Paris*. Sunbelt Conference, Edinburgh, UK
- **Hoffman M.**, Lazega E. (2024, Apr 15-18). *From movement comes stability: Modeling the mechanisms driving the co-constitution of groups and individuals at the Commercial Court of Paris*. Duality Workshop, ETH Zürich, Switzerland.
- **Hoffman M.**, Bayer P., Keijzer M., Kleshnina M., Amati V. (2023, May 2-3). *Specifying attribute effects in statistical models for groups – A game theoretical approach*. ARS'23 Ninth International Workshop on Social Network Analysis, Naples, Italy.
- **Hoffman M.** (2022, Sep 12-16). *Specification of attribute effects in statistical models for social groups*. 6th European Conference on Social Networks, Greenwich, UK.
- **Hoffman M.** & Chabot T. (2021, Sep 7-10). *Dynamics of group-based meetings amongst teenagers*. RC33 conference, online.
- **Hoffman M.** & Chabot T. (2021, Sep 6-10). *The Role of Preference-Based Selection in Socioeconomic Homophily: Evidence from a Three-Week Summer Camp*. 6th European Conference on Social Networks, online.
- Block, P., **Hoffman, M.**, Raabe, I. J., Dowd, J. B., Rahal, C., Kashyap, R., & Mills, M. C. (2020, Jul 10). *Social network-based distancing strategies to flatten the COVID-19 curve in a post-lockdown world*. Costnet Conference on Covid-19, Munich, Germany.
- **Hoffman M.**, Block P., Snijders T.A.B. (2020, Jul 13-17). *From dyads to groups: A partition model for non-overlapping groups*. XXXVIIIV Sunbelt Conference, Paris, France.
- **Hoffman M.**, Block P., Snijders T.A.B. (2019, Sep 9-12). *A partition model for membership of non-overlapping groups*. 4th European Conference on Social Networks, Zürich, Switzerland.
- **Hoffman M.**, Block P., Elmer T. & Stadtfeld C. (2018, Dec 11-13). *DyNAM-i: a statistical model for the analysis of face-to-face interactions*. 7th International Conference on Complex Networks and Their Applications, Cambridge, UK.
- **Hoffman M.**, Block P., Elmer T. & Stadtfeld C. (2018, Jun 26 - Jul 1). *A statistical model for the analysis of face-to-face interactions*. Sunbelt Conference, Utrecht, the Netherlands.