

# 1st Chilean Summer School about Social Network Research



## The Chilean Society for Social Network Science (ChiSocNet)

The Chilean Society for Social Network Science aims to develop the Social Network Science in Chile (ChiSocNnet) to be, in the next decade, an international group of reference from Ibero-America and the International Community of the Social Network Science.



To achieve this objective, ChiSocNnet will congregate, broadcast, and support the researchers actively working in Social Network Science within Chile, Ibero-America and abroad.

Two of the main activities of the society are the biannual conference "Chilean Social Network Conference" (ChiSocNet) and the biannual Summer School "Chilean Summer School about Social Network Research".

# About the Summer School

By the end of the week, participants would be able to design social network research, collect network data from classical to digital information, describe and visualise networks, and perform statistical models using social networks (e.g., ERGM and RSIENA). They will also have an overview of the most relevant topics about social networks. During the week, participants would have lectures and practical experience in using the R software and engage in practical experience through group projects.

## Course requirements

No prior knowledge of social network analysis is assumed for this course. However, it would be useful to read *Doing social network research* (Robins, 2015).  
SAGE Publications Ltd.

## Who is this course for?

Postgraduate research students, postdocs and academics wishing to use Social Networks in their research.

## Location

Magister Room, Institute of Sociology, Pontifical Catholic University of Chile. Avenida Vicuña Mackenna 4860, Macul, Santiago

## Language

Summer school courses will be taught in English unless all the participants are proficient in Spanish.



**Follow ChiSocNet in our social media accounts:**

More information: <https://chisocnet.org/>

Twitter/X: <https://twitter.com/chisocnet>

Facebook: <https://www.facebook.com/CHISOCNET/>



### **Recommended reading:**

- Borgatti, S. P., Everett, M. G., Johnson, J. C. & Agneessens, F. (2022). *Analyzing social networks using R*. Sage.
- Luke, D. A. (2015). *A user's guide to network analysis in R*. Cham: Springer.
- Scott, J. (2000). *Social Network Analysis: A Handbook*. Sage.

### **Organizers:**

- The Chilean Society for Social Network Science (ChiSocNet).
- FONDECYT program N°230437. Title of the project: "Redes personales y capital social de mujeres cuidadoras. Midiendo sus cambios en el tiempo e impacto en bienestar y salud".
- FONDECYT program N°1220560. Title of the project: "Social Networks and Socio-ecological Sustainability Project".
- FONDECYT program N°11230902. Title of the project: "It takes two for substance use: Peer mechanisms in adolescents' substance use"

### **Sponsors:**

- Institute of Sociology, Pontifical Catholic University of Chile.
- Núcleo Milenio para la Evaluación y Análisis de Políticas de Drogas (nDP).
- Núcleo Milenio de Sociomedicina (SocioMed).

### **Course leaders:**

- Dr Alejandro Espinosa-Rada, Social Networks Lab., ETH Zürich.
- Dr Diego Palacios, Society and Health Research Center, Universidad Mayor; Núcleo Milenio para la Evaluación y Análisis de Políticas de Drogas; Núcleo Milenio de Sociomedicina.
- Dr Francisca Ortiz Ruiz, Millennium Institute for Care Research - MICARE, Santiago, Chile.
- Dr George Vega Yon, Division of Epidemiology at the University of Utah, USA.

# Keynote speakers

## **Prof. Johan Koskinen**

Dr Johan Koskinen is a lecturer in statistics at Stockholm University. He has previously worked at the University of Melbourne, Oxford, Manchester, Linköping, and the Alan Turing Institute. A statistician by training, he has primarily made methodological contributions to the analysis of cross-sectional and dynamic network data and has been published in *Annals of Applied Statistics*, *Psychometrika*, and the *Journal of Statistical Planning and Inference*, among others. He has also facilitated methodologically innovative research with a substantive focus that has been published in journals such as *Quantitative Criminology*, *European Sociological Review*, and *Social Networks*. Dr Koskinen has been active in disseminating current best methods through frequent training and books such as the award-winning book on exponential random graph models.

*Visit sponsored by "Social Networks and Socio-ecological Sustainability Project". Project funded by FONDECYT program N°1220560.*

## **Prof. René Veenstra**

Dr René Veenstra is a Professor at the Department of Sociology, University of Groningen, and board member of the Interuniversity Center for Social Science Theory and Methodology (ICS), the Netherlands, and a member of the management team of TRAILS and SNARE projects. During 2011-2014, he coordinated the implementation and evaluation of the KiVa Antibullying Program in the Netherlands. He published on various topics (bullying and victimisation, peer relations, prosocial and antisocial behaviour, social network analysis, and temperament-by-environment interactions) in major scientific journals, including *Child Development*, *Developmental Psychology*, *Journal of Early Adolescence*, and *Journal of Research on Adolescence*.

*Visit sponsored by "It takes two for substance use: Peer mechanisms in adolescents' substance use". Project funded by FONDECYT program N°11230902.*

# Programme

Time	Monday 8	Tuesday 9	Wednesday 10	Thursday 11	Friday 12
9.00-10.15	History of Social Networks	Research Design	Subgroups and two-mode networks	Testing hypothesis	Advanced ERGMs
10.15-10.30	Break	Break	Break	Break	Break
10.30-11.45	Intro to Social Networks	Network Visualizations	Personal networks & Ego-networks I	Intro to ERGMs	Group work: Prepare presentation
11.45-12.00	Break	Break	Break	Break	Break
12.00-13.30	René Veenstra	Multivariate techniques and whole networks	Personal networks & Ego-networks II	Group Work: Analysis	Johan Koskinen
13.30-14.30	Lunch	Lunch	Lunch	Lunch	Lunch
14.30-15.45	Intro to R	Group Work: Descriptive + viz	Mixed Methods & Ethics	Intro to RSiena	New topic in Network Modeling
15.45-16.00	Break	Break	Break	Break	Break
16.00-17.15	Group Work: Dataset + question	Centrality		Intro to RSiena	Presentation participants
17.30- 19.00	Dinner				Social gathering

## About Santiago

Santiago enchants with its diverse vistas and adaptability, truly coming alive for every visitor. The Chilean capital pulsates with vitality, evident in its bustling streets, avant-garde art galleries, design stores, and vibrant arts and crafts fairs. Whether in the culinary scene, with its array of restaurants, bars, and coffee shops, or in the after-hours allure for night owls, Santiago's nightlife is not to be missed.

Immerse yourself in Chilean culture through its numerous museums or savor the exquisite offerings of Chilean cuisine at the Central Market.

For those who relish the outdoors, ascend the surrounding hills to behold panoramic views of Santiago. Indulge in retail therapy at the chic Alonso de Córdova neighborhood or explore the city's modern shopping malls. To delve deeper into Santiago and other Chilean cities, find more information here: <https://www.chile.travel/en/>



## Accommodations

We can recommend places in excellent neighbourhoods near public transportation connections, stores, restaurants, and more information here:

<https://internacionalizacion.uc.cl/quiero-ir-a-la-uc/viajar-a-la-uc/alojamiento-personas-internacionales/>

The University suggested that participants find a place near Providencia, Santiago, Ñuñoa or Las Condes. We suggested places near the subway stations: Los Leones, Tobalaba, Cristóbal Colón or Pedro de Valdivia.

### Follow ChiSocNet in our social media accounts:

More information: <https://chisocnet.org/>

Twitter/X: <https://twitter.com/chisocnet>

Facebook: <https://www.facebook.com/CHISOCNET/>



## Other Cultural and Social Activities in Santiago and Surroundings

Santiago Metropolitan Park  
<https://parquemet.cl>

Santiago Cable Car (Teleférico) to enjoy the city from above <https://turistik.com/cerro-san-cristobal/teleferico-santiago/>

Wine and Traditions Tour

Chilean Museum of Pre-Columbian Art:  
<https://precolombino.cl/wp/en/>

National Museum of fine Arts:  
<https://www.mnba.gob.cl>

## The historic quarter of the seaport city of Valparaíso

The colonial city of Valparaíso presents an excellent example of late 19th-century urban and architectural development in Latin America. In its natural amphitheater-like setting, the city is characterized by a vernacular urban fabric adapted to the hillsides that are dotted with a great variety of church spires. It contrasts with the geometrical layout utilized in the plain. The city has preserved its interesting early industrial infrastructures, such as the numerous 'elevators' on the steep hillsides.

**More information about Valparaíso:**  
<https://whc.unesco.org/en/list/959>

DOWNLOAD THE GREEN GUIDE OF P. UNIVERSIDAD CATÓLICA DE CHILE:

[https://airtable.com/appdXGET2SdpNxpka/shrIFeeSMrfDhkktF/tblNFt9d9ZeToz7s7/viw\\_OFjRIganFwRePl/recJNOS8OebSdskEg/fldc7hQYccVFEG7wy/attpulu34GEmxvnm](https://airtable.com/appdXGET2SdpNxpka/shrIFeeSMrfDhkktF/tblNFt9d9ZeToz7s7/viw_OFjRIganFwRePl/recJNOS8OebSdskEg/fldc7hQYccVFEG7wy/attpulu34GEmxvnm)



# Sustainable Mobility Experience

We understand that coming to Chile can have a significant impact on your carbon footprint.

Nevertheless, we appreciate your decision to join us, and we aim to support you in your journey towards becoming a global citizen.

To this end, we are pleased to provide you with a green guide that offers useful information on environmentally friendly actions that you can take during your exchange in Chile, upon your return to your country and university, and throughout your life.



## Contact

To request more information about the Summer School or ChiSocNet, please contact:

Alejandro Espinosa-Rada, PhD.  
Coordinator of the Chilean Society for Social Network Science  
Social Networks Lab, ETH Zürich  
[chisocnet@gmail.com](mailto:chisocnet@gmail.com)

Issue no. 7  
2025