

TEACHERS



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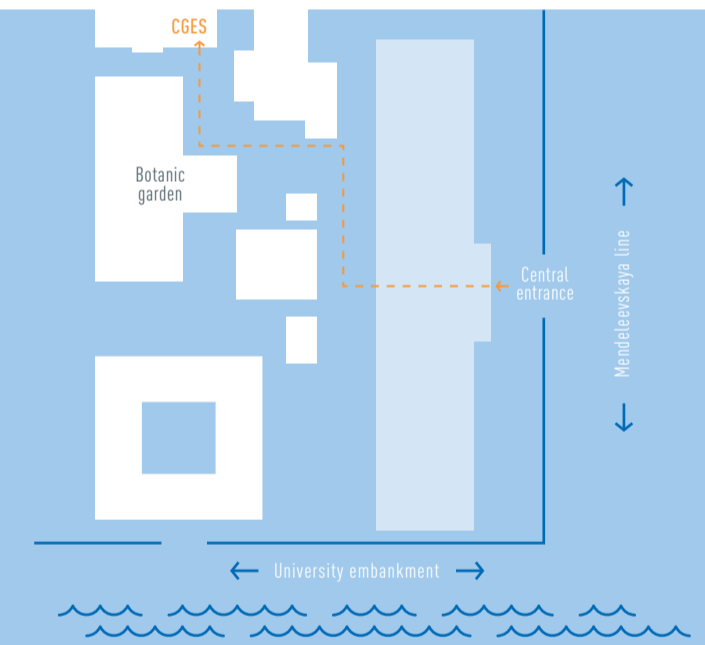
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ST. PETERSBURG ON SUMMER NETWORK SCHOOL ANALYSIS

ST. PETERSBURG
10-16 RUSSIA
JULY
2017

The Centre for German and European Studies
Saint Petersburg State University
Bielefeld University

SCHEDULE OVERVIEW

	10 July Mon	11 July Tue	12 July Wed	13 July Thu	14 July Fri	15 July Sat	16 July Sun
10.00-11.30	Social network analysis 1	Semantic network analysis 1	Socio-semantic network analysis 1	Working in R 1	ERGMs 3	ERGM extensions 1	
11.30-12.00	Break	Break	Break	Break	Break	Break	
12.00-13.30	Social network analysis 2	Semantic network analysis 2	Socio-semantic network analysis 2	Working in R 2	ERGMs 4	ERGM extensions 2	Guided tour around St. Petersburg
13.30-14.30	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch	Lunch
14.30-16.00	Social network analysis 3	Semantic network analysis 3	Socio-semantic network analysis 3	ERGMs 1	ERGMs 5	ERGM extensions 3	Sociological walk around Vasilyevskiy Island
16.00-16.30	Break	Break	Break	Break	Break	Break	
16.30-18.00	Social network analysis 4	Semantic network analysis 4	Presentations & Wrap-up 1	ERGMs 2	ERGMs 6	Presentations & Wrap-up 2	
20.00-22.00			Dinner				

DETAILED
TIMETABLE
(INSIDE)



10 JULY - MONDAY

- 10.00-11.30 **Introduction to social networks**
History, theories, and perspectives of social network analysis and introduction to ORA
- 11.30-12.00 **Tea/coffee break**
- 12.00-13.30 **Concepts of social network analysis**
Basic concepts and different levels of analysis; examination of these in ORA
- 13.30-14.30 **Lunch**
- 14.30-16.00 **Measures of social network analysis 1**
- 16.00-16.30 **Tea/coffee break**
- 16.30-18.00 **Measures of social network analysis 2 and online data scraping**
Different levels of network analysis; hands-on analysis in ORA and hands-on scraping of textual data from online sources (e.g., social media)

11 JULY - TUESDAY

- 10.00-11.30 **Introduction to semantic network analysis**
Understanding semantic networks and two-mode networks
- 11.30-12.00 **Tea/coffee break**
- 12.00-13.30 **Text analysis in Automap**
Pre-processing and cleaning of text
- 13.30-14.30 **Lunch**
- 14.30-16.00 **Semantic networks in Automap**
Extracting semantic networks from text
- 16.00-16.30 **Tea/coffee break**
- 16.30-18.00 **Working with thesauri in semantic network analysis**
Applying thesauri and visualizing semantic networks in ORA

12 JULY - WEDNESDAY

- 10.00-11.30 **Socio-semantic networks and social structure from text**
Creating the meta-network model using thesauri
- 11.30-12.00 **Tea/coffee break**
- 12.00-13.30 **Analysis of socio-semantic networks in ORA**
Applying social network analysis methods on socio-semantic networks
- 13.30-14.30 **Lunch**
- 14.30-16.00 **Advanced analysis and data acquisition**
MRQAP and dynamic network analysis applied to socio-semantic networks and online acquisition of text data
- 16.00-16.30 **Tea/coffee break**
- 16.30-18.00 **Own presentations & Wrap-up**
Presentation of results, Q&A, and personalized feedback.
Deniza Alieva "Tourist organizations' network, travel itineraries and intercultural experience of Russian-Speaking tourists in Andalusia (Spain)".
Lukas Lehotsky "Coal-mining in the media discourse in Czech Republic".
- 20.00-22.00 **Dinner**

13 JULY - THURSDAY

- 10.00-11.30 **Introduction to working with networks in R**
Importing and formatting adjacency matrices
- 11.30-12.00 **Tea/coffee break**
- 12.00-13.30 **Introduction to working with networks in R**
Comparing observed network structure to random graphs
- 13.30-14.30 **Lunch**
- 14.30-16.00 **Subgraphs and null distributions and ERGM rationale**
Exploring ERGM through simulation in R
- 16.00-16.30 **Tea/coffee break**
- 16.30-18.00 **ERGMs and dependence**
Implications of Bernoulli graphs and how Markov and Social circuit dependence are related to interaction effects

14 JULY - FRIDAY

- 10.00-11.30 **ERGMs and dependence**
Fitting models and interpreting network configurations
- 11.30-12.00 **Tea/coffee break**
- 12.00-13.30 **Combining ERGM dependence with nodal attributes**
Exploring different model specifications and social selection models
- 13.30-14.30 **Lunch**
- 14.30-16.00 **Simulation and estimation of ERGMs**
What we need to know about estimation in order to use it properly. Simulation and the meaning of 'convergence'. Examples of "pathologies" and how to remedy them
- 16.00-16.30 **Tea/coffee break**
- 16.30-18.00 **Goodness-of-fit**
Some practical concerns when choosing a good, adequate, or optimal model.

15 JULY - SATURDAY

- 10.00-11.30 **ERGM extensions I**
ERGM extensions to multilevel analysis multiplex networks, etc. (Ch. 8-11 Lusher et al., 2013)
- 11.30-12.00 **Tea/coffee break**
- 12.00-13.30 **ERGM extensions II**
The actor auto-logistic model (Ch. 13 Lusher et al., 2013)
- 13.30-14.30 **Lunch**
- 14.30-16.00 **ERGM extensions III**
Longitudinal ERGM (LERGM), Bayesian inference, snowball samples, and missing data imputation.
- 16.00-16.30 **Tea/coffee break**
- 16.30-18.00 **Own presentations & Wrap-up**
Petr Ocelik "Coal mining policy networks in the Czech Republic".
Sebastian Stevens "The Impact of Social Relationships on Multi-Source Feedback Assessments for UK General Practitioners: A Social Network Analysis"

16 JULY - SUNDAY

- 11.30-13.30 **Guided tour around St. Petersburg**
- 13.30-14.30 **Lunch**
- 14.30-16.30 **Sociological walk around Vasilyevskiy island**
Guide: Anisya Khokhlova, St. Petersburg State University