# Young Scholars in Computational Social Science

19th & 20th November 2020

## Programme

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University of Zürich (UZH) | Digital Society Initiative
Welcome to the first “Young Scholars in Computational Social Science” workshop by the Computational Methods Working Group at the University of Zurich!

The main event consists of presentations by a variety of young scholars who will talk about their ongoing research projects in the field of Computational Social Science. Grouped into 5 panels, the presentations cover a variety of different topics and bring together social scientists from different research fields such as for example Political Science, Communication Science, Informatics, or International Relations. Presenters will also have the chance to meet one-on-one with one of the invited experts to discuss specific challenges, problems, and opportunities. In this regard, we thank Sophie Mützel, Annie Waldherr, Ken Benoit, and Christoph Stadtfeld for their willingness to serve as expert respondents to the presentations as well as to offer valuable inputs during the one-on-one meetings.

Due to the current circumstances, the event will take place digitally via Zoom. To join the presentations, please send an email to cssmethods@ikmz.uzh.ch and we will provide you with the necessary information to join the Zoom meeting.

Lastly, we want to thank the Graduate School of the Faculty of Arts and Social Sciences at the University of Zurich and the Digital Society Initiative for supporting this event financially through different grants.

We hope that this event will stimulate fruitful discussions about the respective research projects and serve as a networking opportunity by bringing together young scholars from different fields and geographical areas.

The organising committee,
Anna Staender, Nico Pfiffner & Valerie Hase
Computational Methods Working Group, University of Zurich
Schedule Overview

Thursday, 19th November

09:00-09:15   Welcome
09:15-11:00   Panel 1: Text as data – Measurement approaches in political science
11:00-11:15   Coffee break
11:15-13:00   Panel 2: Practical applications & mixed methods approaches
13:00-14:00   Lunch break
14:00-15:45   Panel 3: Tracing data & media usage patterns
15:45-16:00   Coffee break
16:00-18:00   Social event

Friday, 20th November

09:15-11:00   Panel 4: Network analysis & social networks
11:00-11:15   Coffee break
11:15-13:00   Panel 5: CSS methods – Empirical applications across disciplines
13:00         Goodbye
# Presentation Schedule

**Thursday, 19th November**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>09:00-09:15</td>
<td><strong>Welcome</strong></td>
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<tr>
<td></td>
<td>Anna Staender, Nico Pfiffner &amp; Valerie Hase</td>
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<td><em>Computational Methods Working Group, University of Zurich</em></td>
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<tr>
<td>09:15-11:00</td>
<td><strong>Panel 1: Text as data – Measurement approaches in political science</strong></td>
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<td>Chair: Theresa Gessler (University of Zurich)</td>
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<tr>
<td>09:15-09:50</td>
<td><strong>A semi-supervised method for annotating multidimensional concepts in political science</strong></td>
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<td>Dror Markus &amp; Guy Mor</td>
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<td><em>Hebrew University of Jerusalem</em></td>
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<td>Expert response: Ken Benoit</td>
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<td>09:50-10:25</td>
<td><strong>More negative, more emotional? Emotional rhetoric among political elites across time</strong></td>
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<td>Christian Pipal</td>
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<td><em>University of Amsterdam</em></td>
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<td>Expert response: Ken Benoit</td>
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<td>10:25-11:00</td>
<td><strong>Beyond valence and beyond a bag-of-words: Creating dictionary and word embeddings models to measure discrete emotional appeals in German political communication</strong></td>
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<td>Tobias Widmann</td>
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<td><em>European University Institute</em></td>
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<td>Expert response: Ken Benoit</td>
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<td>11:00-11:15</td>
<td><strong>Coffee break</strong></td>
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Thursday, 19th November

11:15-13:00  Panel 2: Practical applications & mixed methods approaches
Chair: Nico Pfiffner (University of Zurich)

11:15-11:50  The use of machine learning methods for online communication research
Anke Stoll
University of Düsseldorf
Expert response: Annie Waldherr

11:50-12:25  Diversity-optimized political news recommender system for online and social media platforms
Lucien Heitz
University of Zurich
Expert response: Annie Waldherr

12:25-13:00  Combining people-meter data with an automated content analysis of subtitles: A computational approach to television news consumption
Susan Vermeer
University of Amsterdam
Expert response: Annie Waldherr

13:00-14:00  Lunch break
Thursday, 19th November

14:00-15:45  Panel 3: Tracing data & media usage patterns
Chair: Ivo Bantel (University of Zurich)

14:00-14:35  Something built, something borrowed, something new? Choosing different approaches to study news use with tracking data
Lisa Merten
*Leibniz-Institut for Media Research* | *Hans-Bredow-Institut*

Expert response: Sophie Mützel

14:35-15:10  The role of algorithmic recommendations and interpersonal relationships for individual media use
Nico Pfiffner
*University of Zurich*

Expert response: Sophie Mützel

15:10-15:45  Combining digital traces and survey data to study media effects: A mobile lab approach
Felicia Loecherbach
*VU Amsterdam*

Expert response: Sophie Mützel

15:45-16:00  Coffee break

16:00-18:00  Social event
Friday, 20th November

09:15-11:00  Panel 4: Network analysis & social networks
Chair: Lara Kobilke (University of Zurich)

09:15-09:50  Understanding social distribution networks of Chinese state-backed media – A causal network inference approach to explaining social influence among propaganda spreaders on twitter
Marcel Schliebs
University of Oxford
Expert response: Christoph Stadtfeld

09:50-10:25  Rewiring social networks for collective intelligence
Jason Burton
University of London
Expert response: Christoph Stadtfeld

10:25-11:00  Repost and like: Securitization theory in the digital age
Natalia Umansky
University College Dublin
Expert response: Christoph Stadtfeld

11:00-11:15  Coffee break
Friday, 20th November

11:15-13:00  Panel 5: CSS Methods – Empirical applications across disciplines
Chair: Anna Staender (University of Zurich)

11:15-11:50  Networked gender bias? Gendered discourse hegemony in networked public spheres
Miriam Siemon
FU Berlin
Expert response: Sophie Mützel

11:50-12:25  Press-party parallelism in the digital sphere. Evidence from Austria
Manuel Mayrl
University of Innsbruck
Expert response: Ken Benoit

12:25-13:00  Deliberation in international organizations: The benefits and limits of arguing
Timon Forster
FU Berlin
Expert response: Ken Benoit

13:00  Goodbye