

CURRICULUM VITAE

Thomas Metz, M.A.

07/10/2018

Personal Information

Date of birth	24. August 1979
Place of birth	Munich, Germany
Civil status	married, three children
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Education

since 04/2009	PhD student, University of Heidelberg, Department of Political Science and Heidelberg Graduate School for Mathematical and Computational Methods for the Sciences (HGS MathComp). Topic: “Agent-based modeling as a research-tool in the Social Sciences: Theory and application”, Supervisors: Prof. Uwe Wagschal (Freiburg, Political Science), Prof. Gerhard Reinelt (Heidelberg, Computer Science). Expected completion: December 2018.
7.11.2007	Magister Artium in Political Science (major), Public Law (minor), and Modern History (minor), University of Heidelberg – Grade: 1.1. Thesis: “Welfare state reactions to the Demographic Transition” („Sozialstaatliche Reaktionen auf den demographischen Wandel“) – Supervisor: Prof. Uwe Wagschal.
10/2001 – 11/2007	Studies in Political Science, Public Law, Modern History and Nordic Literature at University of Munich (LMU), University of Tromsø (Norway) and University of Heidelberg.
until 06/1999	Secondary education: Louise-Schroeder-Gymnasium (Munich), Abitur – Grade: 1.7.

Professional Experience

- since 10/2010 Research fellow (Wissenschaftlicher Mitarbeiter), University of Freiburg, Department of Political Science, Chair of Comparative Politics, Prof. Uwe Wagschal.
- 03/2008 – 03/2009 Research fellow (Wissenschaftlicher Mitarbeiter), University of Heidelberg, Department of Political Science, Chair of Comparative Politics, Prof. Uwe Wagschal.
- 09/2005 – 02/2008 Student research assistant (Studentische Hilfskraft) to Prof. Uwe Wagschal, University of Munich and University of Heidelberg.
- 10/2002 – 07/2003 Student research assistant (Studentische Hilfskraft),
and Bavarian Academy of Sciences (Munich), Commission
10/2004 – 09/2005 for Social and Economic History, Max Weber Gesamtausgabe, assistant to Dr. Edith Hanke.

Non-Scientific Professional Experience and Internships

- 02/2007 – 03/2007 Intern: German Bundestag, Research Services, Department WD 8: Environment, Conservation, Nuclear Safety, Education and Research.
- 02/2006 – 04/2006 Intern: Bavarian Ministry of Economics, Infrastructure, Transportation and Technology, Department II/4: Statistics, Analysis, Economic and Spatial Monitoring.
- 08/2003 – 06/2004 Reporter (Text and Photo): *Utopia* (Student newspaper of the University of Tromsø) and *Ut* (Event magazine Tromsø Community).
- 10/2002 – 08/2003 Reporter (Text): *Süddeutsche Zeitung*, sections Münchner Kultur and SZ Extra (Local features, Munich).
- 08/2002 – 09/2002 Intern: *Süddeutsche Zeitung*, sections Münchner Kultur and SZ Extra (Local features, Munich).
- 12/2000 – 10/2001 Reporter (Text and Photo): *Süddeutsche Zeitung*, section Freisinger SZ (Local news, Freising).
- 09/2000 – 11/2000 Intern: *Süddeutsche Zeitung*, section Freisinger SZ (Local news Freising).
- 08/2000 Intern: *jetzt-Magazin* (Youth magazine, Munich).

International Experience

08/2003 – 06/2004 Studies in Political Science and Nordic Literature, University of Tromsø (Norway).

Further Qualifications

10/2017 Twitter data in the Social sciences (Felix Idelberger).
10/2015 Introduction to GIS (Isabell Riesinger, LDBV Munich).
05/2013 Studying Human Behavior on Twitter (Derek Ruths).
09/2012 Structural Equation Modeling (Jochen Mayerl).
Summer 2011 Seminar: Network Analysis (Achim Hildenbrandt).
07/2011 Software Engineering and Scientific Computing (Barbara Paech).

Summer 2010 Seminar: The Physics of Networks (Dieter Heermann).
07/2010 Complex Network Analysis (Katharina Zweig).
03/2010 Multilevel Regression (Hermann Dülmer).
02/2010 Mixed-Integer Programming and Combinatorial Optimization (Gerhard Reinelt).

Winter 2009 Seminar: Network Analysis (Gerhard Reinelt).
07/2009 Monte Carlo Methods (Dieter Heermann).
05/2009 Introduction to Logical Models (Rein Taagepera).
11/2008 Scientific Writing, extended course (Ute Leidig).
09/2008 Pooled Time-Series Regression (Thomas Plümper).
04/2008 Logistic Regression (Fabian Winter).
04/2006 Writing Speeches (Sonja Engelbert, TI Communications).

04/2006 Scientific Writing (Petra Eggensberger).
03/2006 Didactics and Group Management (Oliver Orth).

Conference Posters and Talks

09/2018 „Polarisierung in Echtzeit: Das Debat-O-Meter als neues Instrument der Demokratieforschung?“ (Talk, Project with Thomas Waldvogel and Uwe Wagschal). DV-PW Kongress 2018. Frankfurt am Main.

03/2018 „Online real-time-response measurement in real life settings: the Debat-O-Meter“ (Talk, Project with Uwe Wagschal, Bernd Becker, Thomas Waldvogel, Linus Feiten, Samuel Weishaupt, Kamal Singh), 20th General Online Research Conference (GOR). Cologne.

- 07/2017 „Das Debat-O-Meter“, Wissenschaftsmarkt University of Freiburg. Freiburg.
- 07/2017 “Only a beauty contest? Appearance-based effects in the elections to the US House of Representatives 2016 2017” (Talk, Project with Sebastian Jäckle, Pascal König, Georg Wenzelburger), EPSA General Conference. Milan.
- 03/2017 „Real-Time-Evaluation of political debates at home and abroad with the Debat-O-Meter“ (Talk, Project with Uwe Wagschal, Bernd Becker, Thomas Waldvogel, Linus Feiten, Samuel Weishaupt), 19th General Online Research Conference (GOR). Berlin.
- 10/2016 „Das Debat-O-Meter als neues Instrument der E-Partizipation. Potenziale und Herausforderung der Online-Partizipation von TV-Zuschauern an politischen Diskussionen“ (Talk, Project with Uwe Wagschal, Thomas Waldvogel), Conference „Demokratie Revisited“, Akademie für politische Bildung. Tutzing.
- 09/2015 “A Co-Authorship network of Political Science” (Poster, Project with Sebastian Jäckle), APSA Annual Meeting. San Francisco.
- 09/2015 “Beauty, competence or likability? Appearance effects in German Elections” (Talk, Project with Sebastian Jäckle), APSA Annual Meeting. San Francisco.
- 08/2015 “Modeling and Simulation as Explanation in Political Science” (Talk). ECPR General Conference 2015. Montreal.
- 08/2015 “A Co-authorship Network of Political Science” (Talk, Project with Sebastian Jäckle). ECPR General Conference 2015. Montreal.
- 08/2015 “Interpellations in the European Parliament: A Network Analysis” (Talk, Project with Sebastian Jäckle). ECPR General Conference 2015. Montreal.
- 05/2014 “Konfliktnetzwerke der Opposition im Bundestag – Eine Netzwerkanalyse der inner- und interfraktionellen Kooperationsstrukturen auf Basis kleiner Anfragen” (Talk, Project with Sebastian Jäckle). Annual meeting of the DVPW-section on Methods. Duisburg.

- 03/2014 “Become who You are: The homing pattern in Partisanship as a self-reinforcing stochastic process” (Talk, Project with Jan Lorenz), 10th International Young Scholar German Socio-Economic Panel Symposium. Bremen.
- 02/2014 “Battle Networks in the German parliament: Analyzing the opposition’s coauthor network of written inquiries directed towards government” (Talk, Project with Sebastian Jäckle). XXXIV. Sunbelt 2014. St. Petersburg (USA).
- 09/2013 “Become who You are: The homing pattern in Partisanship as a self-reinforcing stochastic process” (Talk, Project with Jan Lorenz), ECPG General Conference. Bordeaux.
- 06/2013 “Become who You are: The homing pattern in Partisanship as a self-reinforcing stochastic process” (Talk, Project with Jan Lorenz), EPSA General Conference. Barcelona.
- 05/2013 “A coauthorship Network of the international Political Science community” (Poster, Project with Sebastian Jäckle). XXXIII. Sunbelt 2013. Hamburg.
- 11/2011 “A multilevel model of party identification” (Poster). HGS MathComp annual colloquium 2011. Altleinigen.
- 08/2011 “A multilevel model of party identification” (Tabled paper), ECPR General Conference. Reykjavik.
- 06/2011 “A multilevel model of party identification” (Talk). 10th Dutch-Flemish politicologenetmaal. Amsterdam.
- 11/2010 “Agent-based modeling as a research tool in the Social Sciences: An application in voting behavior” (Poster, Project with Prof. Dieter Heermann). HGS MathComp annual colloquium 2010. Heidelberg.

Other Talks

- 06/2018 Live demonstration of the Debat-O-Meter in Market Research Applications, IconKids & Youth Kongress 2018, Ingo Barlovic, Munich. Invited, with Samuel Weishaupt.
- 06/2018 „Constructing Collaboration Networks From Bibliographic Data. The Examples of the American and German Political Science Communities“, InFER Colloquium, Claudius Wagemann, University of Frankfurt. Invited, with Sebastian Jäckle.

05/2018	„Debat-O-Meter. Debate analysis platform – Voting advice application – Second screen participation TV“. Workshop Smartvote, Jan Fivaz, University of Bern. Invited, with Thomas Waldvogel.
05/2017	„Das Debat-O-Meter zur Landtagswahl in Nordrhein-Westfalen“. Forschungsseminar Susanne Pickel, University of Duisburg-Essen. Invited.
12/2015	„Koautorschaft in der internationalen Politikwissenschaft – Eine Netzwerkanalyse“, Insitutskolloquium, Institut für Politikwissenschaft, Thorsten Faas, University of Mainz. Invited.
03/2012	“A model of party identification”. Seminar of Simsoc@Work (Junior ABM-researcher group), Klaus G. Troitzsch, University of Koblenz-Landau.
11/2011	„Parteiidentifikation: Ein Mehrebenenmodell“ (Party identification. A multi-level model). Research seminar of the Chair for Methods of Empirical Social Research, Bernhard Kittel, University of Oldenburg. Invited.

Grants and Scholarships

various	Travel grants from German Academic Exchange Service (Deutscher Akademischer Austauschdienst DAAD).
04/2009	Three-year PhD scholarship from Heidelberg Graduate School for Mathematical and Computational Methods for the Sciences (HGS MathComp, University of Heidelberg).

Consultant Work

07/2018	Evaluation of one TV spot for IconKids & Youth, Munich. In cooperation with Samuel Weishaupt.
05/2018	Evaluation of three TV spots for IconKids & Youth, Munich. In cooperation with Samuel Weishaupt.
02/2018	Evaluation of three TV spots for IconKids & Youth, Munich. In cooperation with Samuel Weishaupt.
07/2008	Evaluation of indicators for crisis early warning used by the German Federal Ministry for Economic Cooperation and Development (Bundesministerium für wirtschaftliche Zusammenarbeit und Entwicklung BMZ). In cooperation with Nicolas Schwank and Thomas Wencker.

Software

- Online data collection tool Website at www.survey.uni-freiburg.de for online data collection in project “Appearance based effects on politicians’ electoral success”. Experimental tool to assess impressions of politicians with randomized experimental conditions and ms-accurate measurement of participants’ response times.
- Pajek Convert 1.2 A tool for converting bibliographic information into Pajek-readable coauthor networks (single and multicore (SMA) version).
Available online: <http://portal.uni-freiburg.de/politik/medien/pdf/lswagschal/PajekConvert.zip>
- PovNetViz (alpha) A tool for refining Pajek-readable Network data for 3D visualization with PovRay raytracing software.
Prototype available: <http://portal.uni-freiburg.de/politik/medien/pdf/lswagschal/PovNetViz.zip>

Software/Hardware Skills

- Programming languages: Java (advanced), Python (intermediate), C (basic), HTML5 (intermediate), CSS3 (intermediate), PHP (intermediate), Javascript (intermediate)
- Electronics: AVR and Arduino (intermediate), Raspberry Pi (intermediate), EPS8266 (basic)
- Cluster Computing (basic/intermediate)
- Data Analysis: R (advanced), SPSS (advanced), R Shiny (intermediate)
- Database: MySQL (intermediate)
- Network Analysis (specialized): igraph (advanced), Gephi (intermediate), Pajek (basic)
- Agent-based Modeling (specialized): NetLogo
- Office: Libre/MS Office, LaTeX
- Other: Gimp, Windows, Linux

Languages

- German (native)
- English (fluent)
- Norwegian (fluent)

Curricular Teaching

- *Methods in Political Science* (Statistics and qualitative research methods, BA- and MA-level) – Summer 2011 (BA), Winter 2012 (teacher-training), Winter 2013 (MA).
- *Theories of Electoral Behavior* (Introduction to research in voting behavior, BA-level) – Summer 2012, Summer 2015.
- *Fundamentals of Comparative Politics* (Introduction to Comparative Politics, BA-level) – Summer 2012, Summer 2013 (3 classes), Winter 2014 (2 classes), Winter 2015, Summer 2017 (2 classes), Winter 2017 (2 classes), Summer 2018 (2 classes).
- *Introductory Network Analysis/Networks in Politics* (Introduction to Network Analysis with R, hands-on class with student projects, BA-level) – Winter 2012, Summer 2015, Winter 2016.
- *Televised debates in election campaigns: Research seminar* (Hands-on class with course project: Setting up, conducting and analyzing an experiment for the TV-Debate Wolf/Kretschmann, Baden-Württemberg 2016, BA-level) – Winter 2015.
- *Research seminar: Analyzing TV-Debates in Germany and the US with the Debat-O-Meter* (Hands-on class with course project: Setting up, conducting and analyzing the Third presidential debate Trump/Clinton 2016, BA-level) – Winter 2016.
- *Society as a Complex System* (Introduction to Complex Systems Theory and Networks and their application in the Social Sciences, BA-level) – Summer 2013.
- *Political Elites and Policy Networks* (Career patterns of political elites from a network perspective, MA-level) – Winter 2013.

Extracurricular Teaching

- *Introduction to R* – Two-day introductory course as part of the seminar “Innovative survey- and analytical methods”, Summer 2018.
- *Statistics with SPSS* – Winter 2010.
- *Scientific writing* – Multiple classes from 2006 to 2008.

Professional Memberships

- Heidelberg Graduate School for Mathematical and Computational Methods for the Sciences (HGS MathComp).

- Deutsche Vereinigung für Politische Wissenschaft (DVPW, German association of political scientists).
- International Network for Social Network Analysis (INSNA).
- European Social Simulation Association (ESSA).
- European Political Science Association (EPSA).

Peer-reviewed publications

- “A social network analysis of Germany’s wood-based bioeconomy: Social capital and shared beliefs” (2018), in: *Environmental Innovation and Societal Transitions* 26(March), pp. 1-14 (with Alexandru Giurca).
- “Beauty contest revisited – The effects of perceived attractiveness, competence and likability on the electoral success of German MPs” (2017), in: *Politics and Policy* 45(4), pp. 495-534 (with Sebastian Jäckle).
- “Patterns of Publishing in Political Science Journals: An Overview of Our Profession Using Bibliographic Data and a Co-Authorship Network” (2017), in: *PS Political Science and Politics* 50(1), pp. 157-165 (with Sebastian Jäckle).
- „Brille, Blazer oder Bart? Das Aussehen als Determinante des Wahlerfolgs von Bundestags-Direktkandidaten“ (2016), in: *Politische Vierteljahresschrift* 57(2), pp. 217-246 (with Sebastian Jäckle).
- “A Demographic Peace? Youth Bulges and Other Population-Related Causes of Domestic Conflict” (2016), in: *Statistics, Politics, and Policy* 7(1-2), pp. 55-97 (with Uwe Wagschal).
- “Das Debat-O-Meter: ein neues Instrument zur Analyse von TV-Duellen” (2016), in: *Zeitschrift für Staats- und Europawissenschaften* 14(1), pp. 124-149 (with Uwe Wagschal, Thomas Waldvogel, Marko Bachl, Linus Feiten and Bernd Becker).
- “Das TV-Duell und die Landtagswahl in Schleswig-Holstein: Das Debat-O-Meter als neues Instrument der politischen Kommunikationsforschung” (2017), in: *Zeitschrift für Parlamentsfragen* 48(3), pp. 594-613 (with Uwe Wagschal, Thomas Waldvogel, Bernd Becker, Linus Feiten, Samuel Weishaupt and Kamal Singh).
- “Hierarchical, Decentralized, or Something Else? Opposition Networks in the German Bundestag”, in: *Legislative Studies Quarterly* (2016), in: *Legislative Studies Quarterly* 41(2): pp. 501-542 (with Sebastian Jäckle).

- „Koautorenschaften in der deutschsprachigen Politikwissenschaft – Eine Netzwerkanalyse auf Basis von Fachzeitschriftenartikeln“ (2013), in: *Politische Vierteljahresschrift* 54(2), pp. 256-291 (with Sebastian Jäckle).
- „Kulturkonflikte in inner- und zwischenstaatlicher Perspektive“ (2010), in: *Zeitschrift für internationale Beziehungen* 17(1), pp. 7-39 (with Uwe Wagschal, Aurel Croissant, Christoph Trinn and Nicolas Schwank).
- „Ein ‚demographischer Frieden?‘ Der Einfluss von Bevölkerungsfaktoren auf inner- und zwischenstaatliche Konflikte“ (2008), in: *Zeitschrift für Politikwissenschaft* 18(3), pp. 353-383 (with Uwe Wagschal and Nicolas Schwank).

Other publications

- „Alle gegen alle. Die Fernsehdebatten mit den kleinen Parteien: Themen – Kandidaten – Moderatoreffekte – Bedeutung“, in: Korte, Karl-Rudolf and Schoofs, Jan (eds.): „Die Bundestagswahl 2017: Analysen der Wahl-, Parteien-, Kommunikations- und Regierungsforschung“. (with Uwe Wagschal, Thomas Waldvogel, Samuel Weishaupt, Linus Feiten, Bernd Becker and Kamal Singh).
- „Das Debat-O-Meter als neues Instrument der E-Partizipation. Potenziale und Herausforderung der Online-Partizipation von TV-Zuschauern an politischen Diskussionen“ (forthcoming), in: Muench, Ursula and Kalina, Andreas (eds.): „Demokratie revisited – Theorien, Befunde, Perspektiven“. (with Thomas Waldvogel and Uwe Wagschal).
- „Agent-Based Modeling“ (2017), in: Jäckle, Sebastian (ed): *Neue Trends in den Sozialwissenschaften. Innovative Techniken für qualitative und quantitative Forschung*. Wiesbaden: Springer VS, pp. 11-50.
- „Netzwerkanalyse“ (2017), in: Jäckle, Sebastian (ed): *Neue Trends in den Sozialwissenschaften. Innovative Techniken für qualitative und quantitative Forschung*. Wiesbaden: Springer VS, pp. 203-237.
- „Real-Time-Response-Messungen“ (2017), in: Jäckle, Sebastian (ed): *Neue Trends in den Sozialwissenschaften. Innovative Techniken für qualitative und quantitative Forschung*. Wiesbaden: Springer VS, pp. 307-332 (with Thomas Waldvogel).
- „Macht und Machtbegrenzung. Gewaltenteilung“ (2015), in: Wagschal, Uwe; Jäckle, Sebastian; Wenzelburger, Georg (eds.): *Spannungsfelder der vergleichenden Regierungslehre*. Stuttgart: Kohlhammer. (with Sebastian Jäckle), pp. 35-48.

- „Wahlen und Wahlsysteme“ (2015), in: Wagschal, Uwe; Jäckle, Sebastian; Wenzelburger, Georg (eds.): Spannungsfelder der vergleichenden Regierungslehre. Stuttgart: Kohlhammer. (with Philipp Weinmann), pp. 49-67.
- „Regierung und Opposition“ (2015), in: Wagschal, Uwe; Jäckle, Sebastian; Wenzelburger, Georg (eds.): Spannungsfelder der vergleichenden Regierungslehre. Stuttgart: Kohlhammer. (with Sebastian Jäckle), pp. 151-163.
- „Kulturkonflikte in inner- und zwischenstaatlicher Perspektive“ (2014, reprint of 2010 article in *Zeitschrift für internationale Beziehungen*), in: Sicherheitspolitik und Konfliktforschung, Reader der Zeitschrift für Internationale Beziehungen. Baden-Baden: Nomos, pp. 347-380 (with Uwe Wagschal, Aurel Croissant, Christoph Trinn and Nicolas Schwank).
- „Demographie und Migration: Entwicklungen, Auswirkungen und Konsequenzen“ (2013), in: Wallacher, Johannes (ed.): Weltprobleme. München: Bayerische Landeszentrale für Politische Bildungsarbeit, pp. 275-308. (with Uwe Wagschal).
- „Konsolidierungsstrategien der Bundesländer“ (2009), Gütersloh: Verlag Bertelsmann Stiftung. (with Uwe Wagschal, Georg Wenzelburger and Tim Jäkel).
- „Alternde Gesellschaften: Vorprogrammierter Reformstau“ (2009), in: Wagschal, Uwe (ed.): Deutschland zwischen Reformstau und Veränderung. Ein Vergleich der Politik- und Handlungsfelder. Baden-Baden: Nomos, pp. 249-275 (with Rafael Bauschke and Andreas Heindl).
- „Homo oeconomicus oder homo politicus? Erklärungskonzepte im Vergleich“, in: Träger, Jochen (ed.): Abgott Wirtschaftlichkeit? Sammelband der Vorträge des Studium Generale der Ruprecht-Karls-Universität Heidelberg im Sommersemester 2007. Heidelberg: Winter, pp. 25-64 (with Uwe Wagschal).
- „Geschlechter-Klischees“ (2006), in: Amt für Stadtentwicklung und Statistik der Stadt Heidelberg (ed.): Heidelberg-Studie 2006. Heidelberg: Stadt Heidelberg, pp. 12-22 (with Kristian Ivanov, Peter Leis, Mirzeta Sabanovic, Moritz von Stetten, Julian von Schütz and Rojda Yildirim).

Working Papers

- “The Debat-O-Meter: Measurement reliability and validity” (with Thomas Waldvogel).

- “The effect of politicians’ emotions on viewers in televised debates” (with Thomas Waldvogel).
- “Another Small World? The Co-Authorship Network of the International Political Science Community Compared to Natural Sciences” (with Sebastian Jäckle).
- “A network analysis of oral questions in the European Parliament” (with Sebastian Jäckle).

Media work _____

- Analyses of three televised debates for the German general election 2017, replicated in approximately 90 national and regional newspapers and national television (Sat 1).
- Analyses of televised debates for state elections in Saarland (03/2017), Schleswig-Holstein (04/2017), North Rhine-Westphalia (05/2017) and Lower Saxony (10/2017), replicated in multiple regional and local newspapers.

Consultation as peer-reviewer _____

- Swiss Political Science Review (SPSR).
- Statistics, Politics, and Policy (SPSR).