Fridolin Linder

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Education

2013-(expected 2018): **PhD, Political Science, Social Data Analytics**; Pennsylvania State University.

2011-2013: **MA, Political Science**; University of Mannheim (Germany) (1 year of course work at Washington University in St. Louis).

2008-2011: **BA, Political Science**; University of Vienna (Austria).

Publications

Exploratory Data Analysis using Random Forests (R Package). (2016). Journal of Open Source Software. (With Zachary M. Jones). Link.

Human Rights Texts: Converting Human Rights Primary Source Documents into Data.(2015). PLOS ONE 10 (9). (With Christopher J. Fariss, Charles Crabtree, Zachary M. Jones, Megan Bied, Taranamoll Kaur, Ana Ross and Michael Tsai). Link

Psychometric Analysis of Residence and MOOC Assessment. (2015). Paper Presented at the 2015 ASEE Annyal Conference and Exposition, Seattle Washington. (With Eric Loken, Zita Oravecz and Conrad Tucker).

Software

ActiveStream: Machine learning (active learning) and query expansion for the Twitter Streaming API for improved data collection.

NetworkInference: R package to infer latent diffusion networks.

edarf: R package for exploratory data analysis with random forest (Contributor).

Selected Working Papers

Privacy Protection for Natural Language Records: Neural Generative Models for Releasing Synthetic Twitter Data. (With Joshua Snoke and Alexander Ororbia) Link

Text as Policy: Measuring Policy Similarity Through Bill Text Reuse. (With Bruce Desmarais, Matthew Burgess and Eugenia Giraudy) Link

Professional Experience

Eric and Wendy Schmidt Foundation, Data Science for Social Good Fellowship (2015).

Bundestag (German Parliament), Internship/Assistant for Silvia Schmidt, Member of Parliament (2008).

UNICEF, Cochabamba (Bolivia), Internship (2007).

Centro Cultural Ayopayamanta (Bolivia), Internship (2006 - 2007).

Technical Skills

Research: Design and analysis of quantitative observational and experimental studies.

Programming: Python, R (proficient), C++, Javascript (familiar)

Data Management: SQL, MongoDB

Languages: German, English, Spanish

Research Assistance

Policy Diffusion of Smoking Ban Legislation in US and Switzerland, Prof. Fabrizio Gilardi, University of Zürich (2016).

Text as Policy: Measuring Policy Similarity through Bill Text Reuse, Prof. Bruce Desmarais (2015-2016).

Bayesian Measurement Models for Large Scale Data, Prof. Eric Loken and Zita Oravecsz (BDSS IGERT Research Rotation, Department for Human Developmentand Family Studies, Penn State) (2014-2015).

Legislative Speech Project, Prof. Burt Monroe (2013-2014).

Text Analysis of German State Party Manifestos Prof. Thomas Bräuninger, University of Mannheim (2011-2013).

Protest Event Data for Austria, Prof. Wolfgang C. Müller, University of Vienna (2011).

Conference Presentations

State Politics and Policy (2017)

New Faces in Political Methodology (2017)

Society for Political Methodology Meeting (2014, 2016, 2017)

American Political Science Association Annual Meeting (2016)

Midwest Political Science Association Annual Meeting (2015)

Awards, Honors and Fellowships

Peter Schallmoser Award, Pennsylvania State University (2017).

Eric and Wendy Schmidt Foundation, Data Science for Social Good Fellowship (2015).

Big Data Social Science IGERT Fellow (2014-2016).

Graduate Scholar Award, Pennsylvania State University (2013).

Summer Research Grant, Pennsylvania State University (2014).

Fellowship, Baden-Württemberg Foundation (2012).

Performance Based Scholarship, University of Vienna (2010).

Service and Teaching

President of the Graduate Association in Political Science at Penn State (2016-2017).

Reviewer: American Political Science Review, American Sociological Review, Legislative Studies Quarterly.

Workshops: Basics of Computational Text Analysis with Python (GEOG 596 2016, Materials: 1, 2), Introduction to UNIX Command Line and PSU High Performance Computing (BDSS IGERT 2015, Materials: 1, 2), Introduction to Python (BDSS IGERT 2014).