

# Fridolin Linder

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The Pennsylvania State University, Department of Political Science, 230 Pond Laboratory

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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).

## Peer Reviewed Publications

Exploratory Data Analysis using Random Forests. (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). Proceedings of the 2015 ASEE Annual Conference and Exposition, Seattle Washington. (With [Eric Loken](#), [Zita Oravecz](#) and [Conrad Tucker](#)). [Link](#).

## 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 forests (Contributor).

## Selected Working Papers

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

Improved Data Collection from Online Sources Using Query Expansion and Active Learning, under review, [Link](#).

Privacy Protection for Natural Language Records: Neural Generative Models for Releasing Synthetic Twitter Data. (With [Joshua Snoko](#) and [Alexander Ororbia](#)), under review, [Link](#).

## Professional Experience

Visiting Graduate Researcher, University of Zürich (Summer 2016): *Policy Diffusion of Smoking Ban Legislation in US and Switzerland*, Prof. [Fabrizio Gilardi](#).

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* [Prof. Bruce Desmarais](#) (2016-2017).

*Text as Policy: Measuring Policy Similarity through Bill Text Rese*, [Prof. Bruce Desmarais](#) (2015-2016).

*Bayesian Measurement Models for Large Scale Data*, [Prof. Eric Loken](#) and [Prof. Zita Oravecsz](#) (BDSS IGERT Research Rotation, Department for Human Development and 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).

## Teaching

*Workshops:*

Introduction to Computational Text Analysis with Python (GEOG 596 Penn State 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).

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## Service

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

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

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## References

### **Bruce Desmarais**

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### **Burt Monroe**

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