

MARKUS FREITAG

Curriculum Vitae

November, 2021



CONTACT INFORMATION

@ freitagmarkus@outlook.de

CURRENT POSITION

Data Scientist

02/2022

ARAG

WORK EXPERIENCE

Data Analyst

10/2021-1/2022

Futtrue GmbH

Tasks:

- Programming production-ready (R Shiny) Dashboards/Apps
- Increasing efficiency in data management
- Advising the statistical analysis of clinical trials

Research Fellow (Wissenschaftlicher Mitarbeiter)

4/2021 - 7/2021

at the Chair of Empirical Political Research and Policy Analysis

Geschwister Scholl Institute of Political Science

LMU Munich

Tasks:

- Teaching [Programming with R](#)
- Research on statistical aspects of (conjoint) survey experiments
- Research on mass public preferences on arms exports

Student Assistant

9/2018-4/2021

at the Chair of Empirical Political Research and Policy Analysis

Geschwister Scholl Institute of Political Science

LMU Munich

Tasks:

- Teaching M.A.-level methods lab sessions
- Assisting the collection and analysis of data for various projects
- Supporting the publication of scientific articles

Note: Up to 20h/week (e.g. in winter term 19/20 und 20/21 due to extensive teaching).

Internship at the Department of Government at University College Cork 3/2017 - 5/2017

EDUCATION

M.A. in Political Science Final Grade: 1.19; Thesis: 1.0 LMU Munich	2/2021
B.A. in Political Science Final Grade: 1.54; Thesis 1.0 LMU Munich	9/2014 - 7/2018
Visiting Student at University College Cork (Ireland) 2-Semester Programme (ERASMUS-Grant)	9/2016 - 5/2017
Abitur Olching, Germany	7/2014

LANGUAGE SKILLS AND TECH STACK

Languages	German, English (OLS-Assesment C2), French (DELF B1)
Tech Stack	Proficiency: R, Rmarkdown, R shiny, Git(Hub), LaTeX Advanced: Docker, SQL, Julia, Stata Basic: Python, Arc-Gis/Q-Gis, Javascript, HTML, CSS

TEACHING EXPERIENCE

Lecturer <i>Introduction to Programming with R for Political Scientists.</i>	07/2021
Teaching Assistant GESIS Summer School. Course: "Using Directed Acyclic Graphs for Causal & Statistical Inference (Julian Schuessler)"	08/2021
Teaching Assistant Teaching lab sessions accompanying the Lecture "Political Science Methods for Master Students"	winter term 2020/2021
Teaching Assistant ECPR Winter School, Bamberg. Course: "Conditional Logit Models (Paul W. Thurner)"	2/2020
Teaching Assistant Teaching lab sessions accompanying the Lecture "Political Science Methods for Master Students"	winter term 2019/2020

SOFTWARE

cjpowR
A Priori Power Analyses for Conjoint Experiments. R Package.

RESEARCH INTERESTS

Statistics/Data Science, (Observational) Causal Inference, Political Economy, Survey Methodology and Survey Experiments, Discrimination

WORKING PAPER

Schuessler, Julian and Markus Freitag (2020). *Power Analysis for Conjoint Experiments*. SocArXiv. [doi:10.31235/osf.io/9yuhp](https://doi.org/10.31235/osf.io/9yuhp).

Rudolph, Lukas, Freitag, Markus and Paul W. Thurner (2021). The Comparative Legitimacy of Arms Exports - A Conjoint Experiment in Germany and France. SocArXiv. <https://doi.org/10.31235/osf.io/r73pv>.

SUMMER SCHOOLS & SELECTED ADDITIONAL COURSES

NLP with R & Python for Twitter Data Department of Statistics, LMU	5/2021
Causal Mediation Analysis UFP Barcelona	3/2021
Probability - The Science of Uncertainty and Data EdX Graduate Course (guest auditor)	Summer Term 2019
GESIS Summer School in Survey Methodology Cologne	8/2019
Time Series Analysis Department of Economics, UCC Ireland (top of class; used as 1.0 for WP1)	2017

RESEARCH PROJECTS

[The Comparative Legitimacy of Arms Exports](#)

Project Member (PIs: Paul W. Thurner and Lukas Rudolph; funded by the German Foundation for Peace Research).