


Conrad Borchers

 cborchers.com  conradborchers  conrad.borchers@oii.ox.ac.uk

Education

2021 – 2022 **Social Data Science M.Sc.** - University of Oxford

2018 – 2021 **Psychology B.Sc.** - University of Tübingen, GPA: **3.66/4.00**

Relevant Coursework: Inferential statistics, categorical data analysis, experimental design and causal inference, psychometrics, multivariate statistics, media and educational psychology, memory and learning

Selected Work Experience

University of California, Berkeley - Graduate School of Education

Research Intern, CAHL Lab of Prof. Zachary Pardos (May 2021 to September 2021)

- Co-authored a research article integrating psychological constructs, survey research, and machine learning research
- Led feature engineering of learning management system and enrollment data in Python
- Conducted mixed modeling of students' time load and psychological stress in Python

University of Tübingen - Hector Research Institute of Education Sciences

Research Intern and Affiliate, Lab of Prof. Christian Fischer (Feb 2020 to present)

- Wrote downloading pipelines in shell script for the APIs of Twitter and CrowdTangle
- Applied and validated classification algorithms in Python on Twitter profiles
- Built data pipelines in R-targets to optimize the analysis of Twitter data sets
- Built SQLite databases combining Facebook data and public NCES school data

Fellowships and Honours

German National Merit Scholar (Studienstiftung)

Awarded November 2018

EFPSA Research Program Scholar

2019/2020 Cohort

Schmidt Futures Scholar (Learning Engineering, EPIC@Berkeley)

Initial Cohort 2021

Selected Publications

- Burchfield, M., Rosenberg, J., **Borchers, C.**, Thomas, T., Gibbons, B., & Fischer, C. (2021). Investigating the Privacy of Students' Images and Names in the Context of K-12 Educational Institution's Posts on Facebook. Proceedings of the 14th International Conference on Educational Data Mining (EDM). Paris, France. **Best Poster Award.** [pdf]
- Rosenberg, J., **Borchers, C.**, Dyer, E., Anderson, D. & Fischer, C. (2021). Understanding Public Sentiment About Educational Reforms: The Next Generation Science Standards on Twitter. AERA Open, 7(1), 1-17. [pdf]

Skills

Skills: R (tidyverse, tidymodels, targets), Python (pandas, sklearn, NLTK), Bash, SPSS, SQL

Updated 2022-01-09