

# Conrad Borchers

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## Education

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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

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### University of California, Berkeley - Graduate School of Education

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

- 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

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**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

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- 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

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

Updated 2021-08-19