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Conrad **Borchers**

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Education

2018 — 2021 **Psychology B.Sc.**, University of Tübingen, GPA: **3.64**/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

Hector Research Institute of Education Sciences
Research Assistant and Intern, 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 computation and storage of Twitter datasets
- Built SQLite databases combining Facebook data and public data of schools

Leibniz Knowledge Media Center (IWM) and Tübingen School of Education
Research Assistant, TabletBW Project on Tablet Use in K-12 Education (Feb 2019 to Jan 2021)

- Led final aggregation of students' and teachers' data across cohorts (SPSS, R)
- Improved participant ID matching and recovery through Python scripts
- Supervised and maintained online teacher surveys in Unipark

Fellowships and Honours

German National Merit Scholar (Studienstiftung)	Awarded November 2018
EFPSA Research Programme Scholar	2019/2020 Cohort
Schmidt Futures Scholar (Learning Engineering, EPIC@Berkeley)	Initial Cohort 2021

Selected Publications

Borchers, C., Eder, T. F., Scheiter, K. (preregistration). How Effective is Reflective Search? A Time Slice Analysis of Dentistry Students' Visual Search Strategies and Pupil Dilation during the Diagnosis of Radiographs. PsychArchives. [pdf]

Rosenberg, J., **Borchers, C.**, Dyer, E., Anderson, D. & Fischer, C. (preprint). Advancing new methods for understanding public sentiment about educational reforms: The case of Twitter and the Next Generation Science Standards. OSF. [pdf]

Skills

Skills: R (tidyverse, markdown, shiny, targets), Python (pandas, sklearn, numpy, matplotlib), Bash, HTML, JavaScript, CSS, LaTeX, SPSS, SQL, C++

Updated 2021-02-09