

# Alexander Guggenberger

[www.alexander-guggenberger.com](http://www.alexander-guggenberger.com)

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## Expertise

- R
- Python, oTree (Html, JS, CSS)
- Statistics, Econometrics, Empirical Research, Causal Inference, Experimental Design
- Teaching

## Languages

- English (C2)
- German (native)
- Spanish (B2)
- French (A1)
- Chinese (A1)

## Other Skills

Pianist and keyboardist, see [alexander-guggenberger.com/musik](http://alexander-guggenberger.com/musik)

## Education

**10/2021 - ongoing**  
Salzburg/Vienna

### Paris Lodron University Salzburg

Ph.D. in Economics

- Project 1: I designed an experiment which tests game theoretical equilibria of a voting game in the laboratory and programmed the experiment using the oTree framework which involved coding in Python, html, Javascript, CSS, and conducted it at the Vienna Center for Experimental Economics.
- Project 2: I study a sequential demand planning problem where private information held by the involved forecasters is transmitted into the final forecast. Based on empirical findings from a corporate data sponsor, I design an experiment testing ways to increase the efficiency of the forecasting process, focusing on incentive compatibility and cognitive limitations and also exploring the potential of algorithmic support for information processing. This project will be sponsored by the Heinrich Graf Hardeggsche Stiftung.
- Visiting PhD student at the University of Rotterdam 10/2024-12/24

**10/2018 - 03/2020**  
Vienna

### University of Vienna

M.Sc. in Economics (GPA 1.38)

- Focus on econometrics, data analysis, causal inference and quantitative methods
- Empirical Master's thesis (grade excellent) on the effect of rent control on supply using census data from Statistics Austria. Statistical programming done in Stata.

**10/2015 - 10/2018**  
Vienna

### University of Vienna

B.Sc. in Economics (GPA 1.82)

**2014**  
Bad Vöslau

### Bundes- und Bundesrealgymnasium Bad Vöslau

Matura with distinction

## Work Experience

**10/2021 - ongoing**  
Salzburg/Vienna

### Shisolabs GmbH

Data Scientist

- Responsible for data analysis, coding and reporting prototypes of data driven solutions to business problems in R and Python, evaluating and validating algorithmic forecasts etc.

**05/2021 - 08/2022**  
Salzburg/Vienna

### University of Salzburg

Research Assistant

- Data analysis & statistical programming in R. Preparation of Project 1 of my Ph.D. (vide supra)

**02/2020 - 04/2021**  
Vienna

### University of Vienna

Research Assistant

- Projects on the intersection between econometric and machine learning methods for demand forecasting using real world data.

**03/2020 - 06/2020**  
Vienna

### Samariterbund

Extraordinary National Service due to Covid 19

**09/2019 - 02/2020**  
Vienna

### University of Vienna

Tutor for the Course "Quantification and Statistics"

- Presentation of the problems to the students in the tutorial course.

**07/2019 - 09/2019**  
Rostock

### Max Planck Institute for Demographic Research

Trainee

- Various projects in the Fertility and Wellbeing Lab which involved the descriptive, explorative and regression analysis of socioeconomic data sets (SOEP, PSID) in Stata.

**2017 - 2019**  
Vienna

### Austrian Academy of Sciences

Working Student

- Technical assistant in the administration during lecture-free periods (6 months total).

**2016 - ongoing**  
Vienna

### Self-Employed

Private Tutor in Mathematics, Statistics, Statistical Programming

- Tutoring of school kids (which greatly enhanced my interpersonal, communication & teaching skills)
- Statistical consulting for University projects and theses involving data analysis and programming in R and Python, ranging from Social Sciences to Bio Data Science

**10/2014 - 06/2015**  
Mödling

### ÖJAB Youth Residence Mödling

National Service