

Dr. Petra Tschuchnig, B.A. M.Sc.

Research Fellow

Institute for Research and Information in Health Economics (IRDES)

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PERSONAL

Nationality: Austrian. Birth name: Petra Unterberger.

EDUCATION

- | | |
|-------------------|--|
| 10/2021 – 03/2025 | Dr.rer.oec in Economic Sciences , University of Salzburg (UNI Sbg) <ul style="list-style-type: none">- Passed with distinction (GPA: 1)- Supervisors: Hannes Winner (first) and Paul Hofmarcher (second)- Thesis: <i>Causal inference and machine learning in health economics</i> |
| 10/2019 – 07/2021 | M.Sc. in Management and Economics , UNI Sbg <ul style="list-style-type: none">- Passed with distinction (GPA: 1.25)- Thesis: <i>How physical health influences mental well-being: Empirical evidence from geriatric patients</i>- Specialization: Empirical Economics & Data Science |
| 09/2016 – 07/2019 | B.A. in Business Management , Salzburg University of Applied Sciences (SUAS) <ul style="list-style-type: none">- Passed with distinction (GPA: 1.31)- Thesis: <i>A commons-compatible implementation of the sharing economy</i>- Specialization: Controlling & Finance, Marketing & Relationship-Management |

SCHOLARSHIPS

Young Investigators Award, 1st Place in Exploring Law, Business, and Economics, UNI Sbg (2024)

Merit Scholarship of the Faculty of Law, Business and Economics, UNI Sbg (2021)

Merit Scholarship of the Federal Ministry of Science, Research and Economy, SUAS (2017)

PROFESSIONAL EXPERIENCE and INTERNSHIPS

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| 04/2025 – present | Research Fellow , IRDES Research Foci: Health Economics, Applied Microeconometrics |
| 10/2021 – 03/2025 | Research Associate , Department of Economics, UNI Sbg Research Foci: Health Economics, Microeconometrics, Machine Learning |
| 03/2021 – 06/2021 | Research Assistant , Department of Economics, UNI Sbg |
| 01/2020 – 04/2021 | Junior Researcher , Department of Logistic & Operations Management, SUAS Research Foci: Industry 4.0, Supply Chain Mgmt., Business Models, Data Science |
| 11/2017 – 12/2019 | Student Assistant , Startup Center, SUAS |
| 01/2019 – 07/2019 | Intern , Marketing for Volkswagen, Porsche Holding Austria |
| 06/2018 – 01/2019 | Student Assistant , Department of Business Development & Economics, SUAS |
| 07/2017 – 08/2017 | Intern , Marketing, Commend International Austria |

REFERENCES

Prof. Dr. Hannes Winner

Department of Economics
Paris Lodron University of Salzburg
hannes.winner@plus.ac.at
Phone: +43-662-8044-3703
Role: First PhD supervisor, former boss, and coauthor

Prof. Dr. Paul Hofmarcher

Department of Economics
Paris Lodron University of Salzburg
paul.hofmarcher@plus.ac.at
Phone: +43-662-8044-3703
Role: Second PhD supervisor and coauthor

SKILLS

Languages: German (native), English (fluent), Italian (beginner)

Programming: R (advanced), STATA (beginner), Python (beginner)

PUBLICATIONS

Work in Progress

- Peichl, A., **Tschuchnig, P.**, and Winner, H. (2025). *Pushed to Vaccinate? The Effect of COVID-19 Measures on Vaccine Uptake*.
- **Tschuchnig, P.**, Hofmarcher, P., and Winner, H. (2025). *Vaxxed and Relaxed? The Causal Impact of Vaccination on Social Distancing: Evidence from a Unique Natural Experiment*.
- Tschuchnig, M., **Tschuchnig, P.**, and Gadermayr, M. (2025). *Inflation Forecasting with Transformer Neural Networks*.

Peer Reviewed

- Dzien, C., **Unterberger, P.**, Hofmarcher, P., Winner, H., and Lechleitner, M. (2022). *Detecting Disabilities in Everyday Life: Evidence from a Geriatric Assessment*. BMC Geriatrics, 22(1):717.
- **Unterberger, P.** and Müller, J. M. (2021). *Clustering and Classification of Manufacturing Enterprises Regarding their Industry 4.0 Reshoring Incentives*. Procedia Computer Science, 180:696–705.
- **Unterberger, P.** and Müller, J. M. (2021). *Der Einfluss von Industrie 4.0 auf Geschäftsmodellinnovationen produzierender KMU*. ZfKE–Zeitschrift für KMU und Entrepreneurship, 69(1):17–35.
- **Unterberger, P.**, Mayer, M., Tschuchnig, M. E., and Haber, P. (2020). *A Commons-Compatible Implementation of the Sharing Economy: Blockchain-based Open Source Mediation*. In 2nd International Conference on Finance, Economics, Management and IT Business.

Book Chapter

- **Unterberger, P.** and Müller, J. M. (2021). *Industry 4.0 Towards a Circular Economy: Why Small and Medium-sized Enterprises must be Integrated Better within Supply Chains*. In Industry 4.0 in SMEs Across the Globe, 5–12. CRC Press.

TEACHING ACTIVITIES

Microeconomics: Undergraduate, UNI Sbg, Summer 2024

Macroeconomics: Undergraduate, UNI Sbg, Winter 2023 and Winter 2024

Public Economics: Undergraduate, UNI Sbg, Winter 2022

Data Management within Digital Supply Chains: Undergraduate, SUAS, Winter 2020

CONFERENCES, WORKSHOPS and GUEST LECTURE

Econ Workshop (UNI Sbg). Topic: Current research in economics using text analysis, survey experiments, and algorithmic-human decisions relevant to policy making. Salzburg, November 2024.

European Health Economics Association Conference 2024 (EuHEA, Vienna University of Economics and Business). *Vaxxed and Relaxed? The Causal Impact of Vaccination on Social Distancing: Evidence from a Unique Natural Experiment*. Vienna, July 2024.

Austrian Economic Association Annual Conference 2023 (NOeG, UNI Sbg). *Vaxxed and Relaxed? The Causal Impact of Vaccination on Social Distancing: Evidence from a Unique Natural Experiment*. Salzburg, September 2023.

PhD Workshop and 6th Conference of the Swiss Society of Health Economics (SSGÖ, University of Bern). *Vaxxed and Relaxed? The Causal Impact of Vaccination on Social Distancing: Evidence from a Unique Natural Experiment*. Bern, June 2023.

Guest Lecture at the Applied Data Science Talks (SUAS). *Inflation Forecasting with Transformer Neural Networks*. Salzburg, April 2023.

International Conference on Industry 4.0 and Smart Manufacturing (ISM, Upper Austria University of Applied Sciences). *Clustering and Classification of Manufacturing Enterprises Regarding their Industry 4.0 Reshoring Incentives*. Virtual, November 2020.

2nd International Conference on Finance, Economics, Management and IT Business (FEMIB, Prague University of Economics). *A Commons-Compatible Implementation of the Sharing Economy: Blockchain-based Open Source Mediation*. Virtual, May 2020.

OTHER ACTIVITIES

Summer and Winter Schools

- *The World Economy's Shifting Winds*. I.S.E.O Institute (Iseo, Italy), June 2024
Lecturer: Joshua Angrist, Robert Engle, Carl Frey, Beata Javorcik, Michael Spence, Kamiar Mohaddes, and Elena Verdolini
Poster Presentation: *Vaxxed and Relaxed? The Causal Impact of Vaccination on Social Distancing: Evidence from a Unique Natural Experiment*
- *Microeconometrics and Policy Evaluation*. Paris School of Economics (France), June 2023
Lecturer: Margherita Comola, Philipp Ketz, Liam Wren Lewis, and David Margolis
- *Data Analytics and Machine Learning*. University of Fribourg (Switzerland), February 2022
Lecturer: Martin Huber, Christian Kauth, Helge Liebert, and Daniel Wegmann

Commission Member

- Nominating Committee, *Behavioral Economics*, UNI Sbg (2024/25)
- Curricular Committee, *M.Sc. & Ph.D. Programme in Management and Economics*, UNI Sbg (2022 – 2025)
- Deputy Spokesperson for Mid-level Academics of the Department of Economics, UNI Sbg (2022 – 2025)
- Nominating Committee, *Econometrics and Data Science*, UNI Sbg (2022/23)
- Habilitation Committee, *Michael Pfarrhofer*, UNI Sbg (2022)