Curriculum Vitae

Norman Fidelis Romano Maria Fauster

Education

since 03/2025	*University of St.Gallen:* Doctorate in International Affairs and Political Economy, Supervisor: Prof. Dr. Rolf Wüstenhagen
10/2020-11/2022	*University of Sheffield:* MSc in Statistics, with distinction

- Dissertation: "Implementation and evaluation of graphlet-based methods for comparison of large networks"
- Focus on generalised linear models, classification, networks, time series and Bayesian Statistics

10/2014-03/2020	*University of Music and Performing Arts Graz* and *Graz University of Technology:* BSc in Electrical Engineering – Sound Engineering

- Focus on room acoustics, musical acoustics, signal procsessing

10/2014-03/2020 09/2019-02/2020	*Graz University of Technology:* BSc in Electrical Engineering *Politecnico di Milano:* Erasmus+ exchange term

- Bachelor's thesis "Techno-economic analysis of biomethane for the energy economy in South Tyrol" (in German)
- Focus on power engineering, energy systems, renewable energies and energy economy

10/2014-05/2019	*University of Graz:* BA in Sociology

- Bachelor's thesis "Fiscal sociological considerations of sociopolitical relationships of power in North and South Tyrol" (in German)
- Bachelor's thesis "Members of the postmodern society – consumer or consumption goods?" (in German)
- Focus on economic and fiscal sociology; empirical research methods, statistics

07/2013	Italian Leaving Certificate (A-level) with 100/100 points

Professional Experience

since 03/2025	*University of St.Gallen, Institute for Economy and the Environment:* Doctoral Candidate. Research on justifications and social coordination in Renewable Energy Communities
01/2024-02/2025	*IHS Institute for Advanced Studies, Vienna:* Junior Researcher in Energy, Environment, and Sustainable Economic Structures. Macroeconomic modelling of pandemic and climate effects on critical infrastructures; quantitative and qualitative impact assessment
since 10/2023	*Free University of Bozen-Bolzano, Faculty of Economics:* Teaching assistant in Statistics and Data Science
10/2022-10/2023	*Free University of Bozen-Bolzano:* Research Assistant in Statistics. Quantitative surveys on service office quality and satisfaction, pilot study on labour market research; dynamic factor models; academic teaching
04/2021-06/2022	*STA Südtiroler Transportstrukturen AG, Bozen:* Associate of the Directorate General. Statistical analyses of mobility data and behaviour in South Tyrol's public transport; customer segmentation; development of a CRM
08/2020-01/2021	*apollis Institute of Social Research and Opinion Polling, Bozen:* Research Associate Intern: Development and implementation and analysis of quantitative and qualitative research
07/2019-08/2019	*Alperia AG, Bozen:* Internship on performing a feasibility study of production and trading of biomethane in South Tyrol
05/2019-06/2019	*Südtirol Transportstrukturen AG, Bozen – Green Mobility:* Internship on planning and implementation of surveying projects on sustainable mobility
2016-2019	Teaching of percussion and music theory
06/2014-02/2019	*Drei Zinnen AG, Innichen:* Holiday job as ropeway engineer
09/2013-06/2014	Regular and substitute teacher at primary and secondary schools. Subjects: German, history/geography, mathematics, natural sciences
since 10/2020	Private tutor in mathematics, physics and electrical engineering

Languages and Skills

Languages	German (native speaker)
	Italian, fluent in speech and writing (C1)
	English, fluent in speech and writing (C1) IELTS total score 8.0/9.0
IT skills	*Calculation and simulation:* MATLAB, Octave, Simulink (profound)
	Statistics & data analysis: R, SPSS, MAXQDA (profound); Power BI (elementary)
	Surveying: LimeSurvey (profound), SurveyMonkey (good)
	Coding languages: C, PureData (elementary); C++ (good); Python, R, SQL (profound)
	Office-Software: Word, Excel, PPT, Outlook, Sharepoint, Teams (profound)
	Version Control: git (good)
Other	*Georgia Institute of Technology:* Introduction to Python Programming, Professional Certificate (online)
	Certificate of proficiency as ropeway engineer, Province of Bolzano

Teaching

2023/2024

Teaching assistant *Basics in Data Management*,
Bachelor in „Economics and Management", Faculty of Economics and Management, Free University of Bozen-Bolzano, Prof. Fabio Persia

Teaching assistant *Information Systems and Data Management*,
Bachelor in „Economics and Social Sciences", Faculty of Economics and Management, Free University of Bozen-Bolzano, Dr Andrea Molinari

2024/2025

Teaching assistant *Basics in Data Management*,
Bachelor in „Economics and Management", Faculty of Economics and Management, Free University of Bozen-Bolzano, Prof. Fabio Persia

Teaching assistant *Statistics*,
Bachelor in „Economics and Management", Faculty of Economics and Management, Free University of Bozen-Bolzano, Prof. Davide Ferrari

Research Interests

Market and financial sociology
Energy markets and decentralised renewable energy
Comparison of networks and graphs
Bayesian methods in sociological gframework

Research Experience

Institute for Advanced Studies (2023-2025): "SUNRISE – Strategies and Technologies for United and Resilient Critical Infrastructures and Vital Services in Pandemic-Stricken Europe". Adaptation of macroeconomic agent-based models.

Free University of Bozen-Bolzano (from 2023): "Horizon-specific dynamic factor models". Scientific collaboration on implementation and application.

Free University of Bozen-Bolzano (2022-2024): "Perspectives for graduates on the labour market in South Tyrol". Pilot project for studies of the labour market.

Free University of Bozen-Bolzano (2022-2023): "Evaluation of the services at unibz by students and academic personnel". Quantitative analysis of survey data, management of larger datasets.

apollis, Eurac Institute for Public Management (2020-2021): "Do women vote differently then men?". Development and implementation of a quantitative survey study on the local elections in 2020.

Publications

Schauer, S., Egger, M., Kesselbacher-Pirker, M., Rodah, I., Horvadovska, O., Lange, B., Fauster, N. FRM et al. (2024): How Cis can Tackle Future Pandemics. A Multi-Domain Approach to Improve CI Resilience. *19th Conference on Computer Science and Intelligence Systems (FedCSIS)*

Kimmich, C., Weyerstraß, K., Czypionka, T., Fauster, N. FRM, et al. (2024): Economic impact of labor productivity losses induced by heat stress: An agent-based macroeconomic approach. *Research Square Preprint*

Fauster, N. FRM, & Tackner, N. (2021): Allport Revisited. Assessing Nonlinear Effects Of Interethnic Contacts. *European Sociological Association.*