

Simona Daguati

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18.01.1994

Swiss citizen

**Education**

- 11.2018 – 12.2022 **Dr. sc. ETH Zurich, Chair for Research on Learning and Instruction & Chair for Mathematics and Education**
Doctoral Thesis: „Working Memory Requirements for Problem Solving in Advanced School Mathematics“
- 09.2017 – 10.2018 **ETH Zurich, Teaching Diploma Degree in Mathematics**
- 09.2016 – 08.2017 **ETH Zurich, Master’s Degree in Mathematics**
Specialization: statistics, probability theory and actuarial science
Master’s thesis: „Possible ways to deal with survival bias arising in Cox regression analysis “
- 01.2016 – 06.2016 **University of Gothenburg, Master’s Degree in Mathematics, Exchange Studies**
- 09.2012 – 09.2015 **ETH Zurich, Bachelor’s Degree in Mathematics**
Bachelor’s thesis: „Compositional Data Analysis “
- 06.2012 **Evangelische Mittelschule Schiers, Academic Baccalaureate**
Major subjects: mathematics and physics

Practical Experiences

- Since 09.2022 **ETH Zurich, Lecturer for the course «Support and Diagnosis of Knowledge Acquisition Processes (EW3)»**
Teaching weekly classes
Developing and designing different learning activities
Supporting students

Since 11.2018	ETH Zurich, Research Assistant Carrying out a longitudinal study at advanced placement schools in Switzerland Supervising assistants Presenting research results at conferences and at events for teachers
05.2018 – 09.2022	ETH Zurich, Administrative Expert Planning a pilot scheme for the linear algebra class Developing exercise sheets
01.2020	Kalaidos Banking+Finance School, Lecturer in Financial Mathematics
04.2018 – 05.2018	Freies Gymnasium Zürich, Replacement Teaching of Mathematics Teaching mathematics classes at advanced placement school
09.2016 – 06.2017	ETH Zurich, Teaching Assistant of Linear Algebra Teaching weekly exercise classes Marking weekly exercise sheets
06.2016	ETH Zurich, Teaching Assistant for Exam Preparation Courses Teaching a week-long exam preparation course in linear algebra
09.2015 – 12.2015	EY Zurich, EMEIA Financial Services Advisory – Actuarial, Internship Life insurance products modelling with the software Prophet Cashflow modelling and stress testing

Scholarships and Awards

09.2017 – 08.2018	Göhner Scholarship for Instructors
05.2017	VMP Assistentenaward
09.2014 – 08.2017	Suyana Scholarship
03.2013	Admission to the programme of the Swiss Study Foundation
06.2012	Altschierserpreis for the best Matura 2012 at EMS Schiers

Languages

German	Mother tongue
English	Fluent
Italian	Fluent

Computer Skills

Operating systems	Windows, LINUX
Engineering programs	Matlab, R, LaTeX
Application software	MS Office

Further Education

08.2020	Summer School in Social Science Methods: Structural Equation Modeling (SEM)
02.2020	Coaching Seminar of the Swiss Study Foundation
09.2016	Summer School „Die moralisch-ethische Frage in Wissenschaft und Technik“
04.2011	CEVI group leading course

Other Activities

Since 03.2013	Active member of the Swiss Study Foundation
09.2014 – 08.2017	Mentor for first year students
09.2016 – 01.2017	ESN Mentor for exchange students
10.2009 – 12.2016	Voluntary service at CEVI Igis-Landquart
Hobbies	Dancing, Reading, Travelling, Hiking

Selected Publication

Daguati, Simona; Stern, Elsbeth (2020). Mathematisches Problemlösen auf gymnasialer Stufe: Anforderungen an das Arbeitsgedächtnis. In Hans-Stefan Siller, Wolfgang Weigel & Jan Franz Wörler (Hrsg.), Beiträge zum Mathematikunterricht 2020 (S. 1456–1456). Münster: WTM-Verlag.