

## Simona Daguati

ETH Zürich  
Institut für Verhaltenswissenschaften  
Professur für Lehr- und Lernforschung  
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## Education

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

## Practical Experiences

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| Since 09.2022 | <b>ETH Zurich, Lecturer for the course «Support and Diagnosis of Knowledge Acquisition Processes (EW3)»</b><br>Teaching weekly classes<br>Developing and designing different learning activities<br>Supporting students |
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Since 11.2018	<b>ETH Zurich, Research Assistant</b> 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	<b>ETH Zurich, Administrative Expert</b> Planning a pilot scheme for the linear algebra class Developing exercise sheets
01.2020	<b>Kalaidos Banking+Finance School, Lecturer in Financial Mathematics</b>
04.2018 – 05.2018	<b>Freies Gymnasium Zürich, Replacement Teaching of Mathematics</b> Teaching mathematics classes at advanced placement school
09.2016 – 06.2017	<b>ETH Zurich, Teaching Assistant of Linear Algebra</b> Teaching weekly exercise classes Marking weekly exercise sheets
06.2016	<b>ETH Zurich, Teaching Assistant for Exam Preparation Courses</b> Teaching a week-long exam preparation course in linear algebra
09.2015 – 12.2015	<b>EY Zurich, EMEA Financial Services Advisory – Actuarial, Internship</b> Life insurance products modelling with the software Prophet Cashflow modelling and stress testing

### Scholarships and Awards

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01.2024	ETH Medal for outstanding doctoral theses
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

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German	Mother tongue
English	Fluent
Italian	Fluent

## Computer Skills

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

## Further Education

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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

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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

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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.