

# ELIO BOLLIGER

PhD in Economics, Head of Federal Finances Analysis and Forecasting Team in Financial Statistics | Swiss Citizen  
✉ bolliger.elio@gmail.com ☎ +41 79 756 61 71 🌐 www.github.com/Elio-Rico 🌐 www.eliobolliger.com

## PROFILE

- Economist specialized in public finance forecasting and financial stability analysis
- Proven experience leading analytical teams and managing projects
- Applied experience in machine learning and developing policy-relevant indicators

## EDUCATION

<b>University of Lausanne - HEC</b> , Department of Economics, Switzerland <i>Ph.D. in Economics</i> - Thesis titled "Three Essays in Macroeconomics"	09/2018 - 09/2023
<ul style="list-style-type: none"><li>• Focus on Informational and Financial Frictions</li><li>• Methods: Applied Econometrics, Time Series Analysis and Natural Language Processing</li><li>• Advisors: Kenza Benhima and Adrian Bruhin</li></ul>	
<b>Study Center Gerzensee</b> , Switzerland Swiss Program for Beginning Doctoral Students in Economics	09/2018 - 08/2019
<b>University of Lausanne - HEC</b> , Switzerland Master of Science in Economics	09/2016 - 07/2018
<b>University of Bern</b> , Switzerland Bachelor of Science in Economics	09/2012 - 06/2015

## WORK EXPERIENCE

<b>Swiss Federal Finance Administration</b> , Bern, Switzerland <i>Deputy Head of Financial Statistics Division</i>	01/2025 - Today
<ul style="list-style-type: none"><li>• Act as head of a 17-person division in the division head's absence</li><li>• Participate at the Federal Government Expert Group on Business Cycle</li></ul>	
<i>Head of the Public Finance Analysis and Forecasting Team</i> , Financial Statistics	05/2023 - Today
<ul style="list-style-type: none"><li>• Leading a team of 3 professionals</li><li>• Analysing/forecasting data for the general/central government and social security funds</li><li>• Development and bi-annual publication of policy indicators (e.g., fiscal impulse)</li></ul>	
<b>Central Bank of Ireland</b> , Dublin, Ireland <i>Ph.D. Research Intern</i> , Macro Financial Division	11/2022 - 04/2023
<ul style="list-style-type: none"><li>• Expanding the usage of machine learning techniques to support policy analysis</li><li>• Research Technical Paper "Distressed Mortgages: A Machine Learning Assessment"</li></ul>	
<b>Institut d'économie appliquée (CREA)</b> , Lausanne, Switzerland <i>Economic Consultant</i> , Forecasting, Inflation Sentiment Indices	02/2018 - 09/2023
<b>Swiss National Bank</b> , Bern, Switzerland <i>Ph.D. Research Intern</i> , Financial Stability Division	10/2019 - 10/2020
<b>University of Lausanne</b> , Switzerland <i>Research Assistant</i> , for Jürgen Maurer, Johannes Buggle, José Mata	07/2017 - 08/2018
<b>Swiss National Bank</b> , Bern, Switzerland <i>Intern</i> , Financial Stability Division	08/2015 - 07/2016

## SKILLS

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<b>Programming &amp; Data Tools</b>	R (package dev., Shiny), Python, Matlab, Stata, SQL, Excel VBA, Groovy
<b>Version Control &amp; Typesetting</b>	Git, L <sup>A</sup> T <sub>E</sub> X
<b>Machine Learning &amp; NLP Languages</b>	BERT (fine-tuning using PyTorch and scikit-learn), sentiment and text analysis German ( <i>native</i> ), English ( <i>fluent</i> ), French ( <i>fluent</i> ), Spanish ( <i>intermediate</i> ), Italian ( <i>beginner</i> ), Portuguese ( <i>beginner</i> )

## PUBLICATIONS

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**Do Local Forecasters Have Better Information?**, *with Kenza Benhima – 2025, Review of Economics and Statistics*

**The Effect of Macroprudential Policies on Homeownership: Evidence from Switzerland**, *with Adrian Bruhin, Andreas Fuster and Maja Ganarin – Journal of Urban Economics, 2025*

## WORKING PAPERS

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**Inflation Expectations, Perceptions and News Media: Regional Differences in Switzerland** – submitted

**Granular Portfolios, Expectations, and International Capital Flows**, *with Kenza Benhima and Margaret Davenport*

**Distressed Mortgages: A Machine Learning Assessment**, *with P. Lyons, S. Shaikh and F. Yao*

## POLICY WORK

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**Analysis of the Structural Deficits and Fiscal Impulses in Switzerland** 2025

**Swiss public finances, main publication of financial statistics** 2023, 2024

## ADDITIONAL TRAINING

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### Study Center Gerzensee Advanced Courses

Bayesian Methods (2022), Financial Frictions and Macroprudential Policies (2021), Time Series Modelling (2021)

### Additional Courses

HANK Made Easy (2021); Winter School in Data Analytics and Machine Learning (2021); Deep Learning in Python and R (2021); Structural Shocks Identification (2019)

## CONFERENCES AND SEMINAR PRESENTATIONS

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### Central Bank Conferences and Policy Seminars

Central Bank of Ireland (2023); Deutsche Bundesbank Brown Bag (2023); JME Poster Session (2022)  
Swiss National Bank (2020)

### International and Swiss Conferences

SSES Meetings (2020–2024); ifo Conference on Macro and Survey Data (2024); EEA-ESEM (2023); KOF and ETH Young Swiss Economists Meeting (2022); Gerzensee Alumni Conference (2021)

## INTERESTS

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Ski touring, motorbike, reading, running, hiking, football

## REFERENCES

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**Prof. Kenza Benhima**, University of Lausanne  
Department of Economics  
kenza.benhima@unil.ch

**Assoc. Prof. Andreas Fuster**, EPFL  
Swiss Finance Institute  
andreas.fuster@gmail.com

**Prof. Adrian Bruhin**, University of Lausanne  
Department of Economics  
adrian.bruhin@unil.ch

**Dr. Robert Bichsel**, Swiss National Bank  
Head Banking System  
robert.bichsel@snb.ch