

ELIO BOLLIGER

PhD in Economics, Head of Federal Finances Analysis and Forecasting Team in Financial Statistics | Swiss Citizen

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RESEARCH INTERESTS

International Macro and Financial Stability (Expectation Formation, Monetary and Macroprudential Policy)
Applied Econometrics (Forecasting, Scenario Analysis, Machine Learning, Natural Language Processing)

EDUCATION

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

WORK EXPERIENCE

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

TEACHING EXPERIENCE

University of Lausanne - HEC, Department of Economics, Switzerland

Économie politique II, Bachelor, Teaching Assistant

02/2019 - 06/2023

Statistique et économétrie I, Bachelor, Teaching Assistant

09/2022 - 06/2023

WORKING PAPERS

Inflation Expectations, Perceptions and News Media: Regional Differences in Switzerland, [Link](#)

Shortened Abstract: This paper examines inflation reporting in Swiss newspapers and its effects on inflation expectations and perceptions. Using quantitative and sentiment-based measures for French and German newspapers, we find no evidence of a negativity bias, but both measures significantly influence expectations and perceptions. Language-region differences reveal socio-demographic variations in the impact of inflation news.

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

Shortened Abstract: Local forecasters outperform foreign ones in forecasting macroeconomic fundamentals, driven by better information rather than behavioral biases. Analyzing GDP growth and inflation forecasts, we show local forecasters' greater accuracy stems from superior information precision. We also develop tests identifying differences in information frictions between local and foreign forecasters.

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

Shortened Abstract: We study how macroprudential policies in Switzerland's mortgage market influenced homeownership. Using detailed tax records, we show the annual share of renters transitioning to homeownership fell from 3.4% to 3.0% post-policy, especially among younger, less wealthy households. Borrowing constraints tightened, and intergenerational transfers became increasingly important for homebuying.

WORK IN PROGRESS

Granular Expectation Shocks and Financial Contagion, with Kenza Benhima and Margaret Davenport

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

ADDITIONAL TRAINING

Bayesian Methods for Empirical Macroeconomics

09/2022

by Gary Koop | Study Center Gerzensee Advanced Courses in Economics

Macroeconomics with Financial Frictions: Monetary and Macroprudential Policies

09/2021

by Javier Bianchi | Study Center Gerzensee Advanced Courses in Economics

Advances in Financial Time Series Modelling

09/2021

by Siem Jan Koopman | Study Center Gerzensee Advanced Courses in Economics

HANK Made Easy: Macro Fluctuations and Policies in THANK

07/2021

by Florin O. Bilbiie | University of Bonn (virtual)

Winter School in Data Analytics and Machine Learning

02/2021

by Martin Huber and Helge Liebert | University of Fribourg (virtual)

A Gentle Introduction to Deep Learning with Python and R

01/2021

by Centre d'Enseignement de l'Informatique | University of Lausanne (virtual)

The Identification of Structural Shocks in Dynamic Models

06/2019

by Kenza Benhima and Jean-Paul Renne | University of Lausanne

CONFERENCES AND SEMINAR PRESENTATIONS

- 2024** Swiss Society of Economics and Statistics, *Switzerland*, 14th ifo Conference on Macro and Survey Data, *Germany*[†]
- 2023** Seminar Day, Central Bank of Ireland, *Ireland*, Research Seminar, Central Bank of Ireland, *Ireland*, Deutsche Bundesbank, Brown Bag Seminar, *Germany*, Swiss Society of Economics and Statistics, *Switzerland*, EEA-ESEM , *Spain*
- 2022** Journal of Monetary Economics: Young Economist Poster Session, *Switzerland*, Young Swiss Economists Meeting: KOF & ETH Zurich, *Switzerland*, Conference on Recent Developments in Economics, Econometrics and Finance, *virtual*, Theories and Methods in Macroeconomics, *United Kingdom*, Econ GSW Webinar series for graduate students, *virtual*, SFI Research Days, *Switzerland*, Swiss Society of Economics and Statistics (SSES), *Switzerland*, Research Days, University of Lausanne, *Switzerland*
- 2021** Research Days, University of Lausanne, *Switzerland*, Gerzensee Alumni Conference, *Switzerland*
- 2020** Swiss National Bank, *Switzerland*, Research Days, University of Lausanne, *Switzerland*

[†]scheduled

PROFESSIONAL ACTIVITIES

Student representative, Ph.D. in Economics , University of Lausanne	09/2021 - 08/2022
Student Think Tank Uthink , University of Lausanne <i>Member of the Data Science Team</i>	09/2017– 09/2021

SKILLS

Software	Python, R, Matlab, Dynare, Stata, Excel VBA, SQL, Groovy, EViews, L ^A T _E X
Version Control	Git, GitHub
Apps	Shiny, Flexdashboard
Data Providers	Bloomberg, Eikon, Datastream, Compustat
NLP	Machine Learning, BERT, Sentiment Analysis, Text Analysis
Others	Web Scraping (Spyder, Selenium)
Languages	German (<i>native</i>), English (<i>fluent</i>), French (<i>fluent</i>), Spanish (<i>intermediate</i>), Italian (<i>beginner</i>), Portuguese (<i>beginner</i>)

REFERENCES

Prof. Kenza Benhima
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Prof. Adrian Bruhin
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