



Marc Burri

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EDUCATION

PhD in Economics <i>Committee: Prof. Daniel Kaufmann, Prof. Leif Anders Thorsrud, Prof. Mark W. Watson</i>	University of Neuchâtel 01/2020 -
Visiting PhD student	BI Norwegian Business School 02/2023 - 07/2023
Swiss Program for Beginning Doctoral Students in Economics <i>Econometrics, Macroeconomics, Microeconomics</i>	Study Center Gerzensee 08/2020 - 08/2021
Summer Schools and other Doctoral Courses <i>Text Mining, Machine Learning, Bayesian Econometrics</i>	Universities of St. Gallen and Neuchâtel 01/2020 - 06/2021
M.sc. in International and Monetary Economics	University of Bern 09/2016 - 09/2018
B.sc. in Economics	University of Bern 09/2012 - 06/2016

EXPERIENCE

Teaching Assistant <i>University of Neuchâtel</i>	01/2020 -
<ul style="list-style-type: none">- Principles in Economics: Master 2023- Econometrics: Master 2021-2023- Microeconomic Policy: Master 2020-2022- Sustainable Development Economics: Master 2021- Macroéconomie 2: Bachelor 2020	
Data Analyst <i>Gibraltar 24</i>	06/2020 - 06/2021
<ul style="list-style-type: none">- Creation of interactive dashboards to analyze fundraising data	
ICT Employee Operation & Maintenance <i>Inselgruppe Bern</i>	06/2013 - 12/2020
<ul style="list-style-type: none">- Developing and maintaining a Web-App to automate repeating tasks.	
Internship <i>State Secretariat for Economic Affairs - Short Term Economic Analysis</i>	04/2019 - 12/2019
<ul style="list-style-type: none">- Building an internal graphics library in R.- Development of a framework for the timely calculation of Swiss producer prices.- Writing reports on the economic situation.	
Various employments during studies and civilian service assignments <i>Inselgruppe Bern, Stadtarchiv Bern, University of Bern</i>	2008 - 2019

PUBLICATIONS

Burri, M., Kaufmann, D., **A daily fever curve for the Swiss economy**, Swiss Journal of Economics and Statistics 156, 6 (2020), <https://doi.org/10.1186/s41937-020-00051-z>

WORKING PAPERS

Marc Burri, 2023. **Do daily lead texts help nowcasting GDP growth?**, IRENE Working Papers 23-02, IRENE Institute of Economic Research.

Three Centuries of Swiss Economic Sentiment There is a lack of consistent and well-measured Swiss business cycle indicators over long historical episodes. This paper fills this gap by constructing a business cycle indicator on quarterly frequency spanning from 1820 to 2021. Using textual data such as historical company records, newspapers, and business association reports, I develop a business cycle indicator, drawing on sentiment and count-based measures related to key economic concepts. This approach involves extensive data collection, surpassing existing datasets in scope and historical coverage. The composite indicator demonstrates strong correlations with real economic activity, effectively capturing historical downturns and expansions. I also employ it to estimate recession probabilities, shedding light on Switzerland's economic history. This paper contributes by introducing a comprehensive business cycle indicator, assembling a rich textual dataset, presenting innovative text mining methods, and establishing the first business cycle dating for Switzerland in the 19th and early 20th centuries.

ONGOING PROJECTS

Exchange rate effects of US monetary policy - A multi-dimensional analysis using identification through heteroscedasticity *With D. Kaufmann*

GRANTS & SCHOLARSHIPS

2024 European Statistics Awards. 1st Place in the Tourism Reproducibility Award. EUR 5'000

2024 European Statistics Awards. 2nd Place in the Tourism Accuracy Award. EUR 2'000

2023 Travel grant International Institute of Forecasters 2023 Conference. *declined*

2022 Doc.Mobility Scholarship for the project **Narratives of Swiss Business Cycles**, University of Neuchâtel

2021 Grant for the project **Erhebung der Schweizer Konsumentenstimmung**, State Secretariat of Economic Affairs (SECO), with Georg Lutz, Boris Wernli, Oliver Lipps, Erika Antal, and Daniel Kaufmann

PRESENTATIONS

2023 IRENE PhD Meeting, IAAE Annual Conference, EEA-ESEM

2022 IRENE PhD Meeting, 4th Warsaw Money-Macro-Finance Conference

2021 IRENE PhD Meeting, Methodological Advances in the Extraction and Analysis of Historical Data[†]

2020 IRENE PhD Meeting

([†] participated)

REFEREE ACTIVITY

Swiss Journal of Economics and Statistics

OTHER CONTRIBUTIONS

Burri, M. and D. Kaufmann, 2021. **Tracking the health of the Swiss economy during the Covid-19 crisis** *LexTech Institute*

Burri, M. and D. Kaufmann, 2020. **Eine Fieberkurve für die Schweizer Wirtschaft** *Ökonomenstimme*

SKILLS

Languages: German (mother tongue), English (fluent), French (basic)

Typesetting: L^AT_EX, MS Office

Programming: Python, R, Matlab, CSS, JavaScript

Frameworks: Flask, Shiny, Selenium (web scraping), QlickView

RESEARCH INTERESTS

Applied Macroeconomics, Time Series Econometrics, Forecasting, Machine Learning, Natural Language Processing

REFERENCES

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