

Curriculum Vitae

Name Petr Koráb
E-mail xpetrkorab@gmail.com
Nationality Czech

Fields of interest: Machine learning, Data Visualization, Natural Language Processing,
Financial economics

Education:

- 2011-2015 Mendel University in Brno, Faculty of Business and Economics,
Ph.D. in Economic policy and administration.
Dissertation topic: “Essays on credit rationing during the financial crisis in the
European Union.”
Thesis committee: Jarko Fidrmuc, Pavla Vodová, Zuzana Kučerová, Petr
Rozmahel
- 2009 – 2011 Metropolitan university in Prague,
International relations and European studies, master’s degree
- 2005 - 2009 Brno International Business School, Economics and Management, bachelor’s
double degree

Employment to date:

- 2019 – present Lentiamo, Prague.
Data Analyst.
- 2016 – 2018 Mendel University in Brno, Faculty of Business and Economics.
Assistant Professor.
- 2015 – 2018 Mendel University in Brno, Faculty of Business and Economics.
Research Centre.
Researcher.
- 2013 Nov – 2014 Mar Austrian Institute of Economic Research – WIFO.
Junior Fellow.
- 2013 Nov – 2015 Dec Mendel University in Brno, Faculty of Business and Economics.
Teaching assistant.

Organised events:

- 2016, 2017, 2018 Organiser of the summer school “Analysis and processing of economic data” at Mendel University in Brno.
- 2015 – 2018 Co-organiser of Masaryk-Mendel research seminars.

Teaching experience:

- 2 semesters Financial mathematics, in Czech.
- 2 semesters Theory of Economic and Monetary integration, in Czech.
- 1 semester Theory of Economic and Monetary integration, in English.
- 5 semesters International Finance, in Czech.
- 1 semester Financial markets, in Czech.
- 5 semesters Principles of finance, in English. Course supervisor.

Invited lectures:

- 2021 *Word Cloud: A Modern Way for the Visualization of Word Frequencies*. Zeppelin University, Germany.
M.Sc. Research Design course.

Internships, fellowships and other trainings

- 2020 Czech Technical University in Prague. Winter school in machine learning.
- 2018 Jun – Dec University of Missouri st. Louis, Dept. of Economics
Visiting researcher.
- 2016 Introduction to Bayesian statistical analysis, Acrea Training Centre, Prague.
- 2015 Barcelona Graduate School of Economics
Summer school in macroeconometrics.
- 2014 Barcelona Graduate School of Economics
Summer school in microeconometrics.
- 2012 WIFO – Austrian Institute of Economic Research.
Visiting research fellow.
- 2012 CERGE-EI
Visiting student at preparatory semester.

Other research stays

- 2014, 2016, 2017 Zeppelin University, Friedrichshafen, Germany.
- 2014 Halle Institute for Economic Research, Germany.
- 2015, 2018 WIFO – Austrian Institute of Economic Research, Austria.

Selected published papers:

Financial and Behavioural Economics

Koráb, P., Saadaoui M., R., Dibooglu, S. 2021. Effects of quantitative easing on firm performance in the euro area. *The North American Journal of Economics and Finance*, vol. 57(C).

Deltuvaitè, D., Kapounek, S., Koráb, P. 2019. Households' Saving Behaviour in Reaction to the External Macroeconomic Shocks and Behavioral Attention. *Prague Economic Papers*, vol. (2).

Koráb, P., Poměnková, J.. 2017. Credit Rationing in Greece during and after the Financial Crisis. *Czech Journal of Economics and Finance (Finance a Uver)*, vol. 67(2).

International Economics

Koráb, P., Kapounek, S. 2013. International Fisher Effect under Exchange Rate Regime Shifts: Evidence from 10 Examples. *Society and Economy*, 35(4).

Other papers in refereed periodicals:

Guide to Using Word Clouds for Applied Research Design, with Jarko Fidrmuc and David Štrba. *Towards Data Science*.

Animated Word Clouds: A Novel Way for the Visualization of Word Frequencies, with Jarko Fidrmuc and David Štrba. *Python in Plain English*.

Work in progress:

Growth and Inflation Tradeoffs of Dollarization: Meta-analysis Evidence, with Jarko Fidrmuc and Sel Dibooglu, *Journal of International Money and Finance*. R&R.

Forecasting Research Trends in Economics with Deep Neural Networks, with Jarko Fidrmuc and Jitka Poměnková.

Leading Indicators of Financial Crises in Publication Meta-data, with Jarko Fidrmuc and Jitka Poměnková.

Sentiment and Research Trends in Economics, with Jarko Fidrmuc and Jitka Poměnková.

Conference presentations:

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| 2021 | Quantitative Analysis of Publication Bias, Workshop at University of Konstanz, Germany. |
| 2017 | Young Economists Meeting, Brno; MAER-net colloquium, Zeppelin University, Germany. |
| 2016 | Joint Annual Meeting of the Austrian Economic Association and the Slovak Economic Association (NOeG-SEA) – Bratislava
82nd International Atlantic Economic Conference (IAES) - Washington. D.C. |
| 2014 | Conference Money, Credit and Banking: The Austrian |

Economics Perspective on Financial Crises - Witten, Germany
Research seminar at Halle Institute of Economic Research, WIFO
extern research seminar.

2012

WIFO extern research seminar.

Awards

The Tomáš Kotrba Award for the Best Publishing Junior Researcher in 2014. Faculty of Business and Economics, Mendel University in Brno.

Membership in professional bodies

Czech Economic Society. Member.

Refereed for:

Economic Change and Restructuring, Ekonomický Časopis (Slovak Journal of Economics), European Journal of Business Science and Technology, Panoeconomicus, Society and Economy, North American Journal of Economocs and Finance.

Language skills:

Czech	native
Slovak	native like
English	academic proficiency (CAE, FCE, BEC Vantage)
German	communicative
French	communicative

Software and programming skills

- Stata, MySQL – proficient
- Python – advanced (DataSpell, Pycharm)
- R, Julia – elementary
- Machine Learning stack (Python)
 - Proficient:
 - Keras, TensorFlow, JupyterLab, Pandas, Numpy
 - NLP and text mining: word2vec, LSTMs, GRUs, RNNs, sentiment analysis (Vader, ...), text network analysis
 - Forecasting: gradient boosting, time series forecasting (Keras, TensorFlow)
- Data visualization
 - Profficient:
 - Data Studio, Power BI, Veusz, Infranodus (text minig)

References:

Prof. Jarko Fidrmuc

(Co-author, member of dissertation committee)
Professor of International Economics
Zeppelin University, Friedrichshafen, Germany
E-mail: jarko.fidrmuc@zu.de

Prof. Sel Dibooglu

(Co-author)
Professor of Economics
University of Missouri–St. Louis
E-mail: dibooglus@umsl.edu

Mag. Dr. Peter Huber

(Advisor during the first research stay at the
institute)
Senior Researcher
Austrian Institute of Economic
E-mail: Peter.Huber@wifo.ac.at

3rd March, 2022