

Akos Mate • CV

Mailing address:

Angyal utca 10, 7/2
1094 Budapest, Hungary

Nationality: Hungarian

Phone: +3630 649 9255

Email: aakos.mate@gmail.com

Website: aakosm.github.io

GitHub: github.com/aakosm

Professional Profile

Due to my multidisciplinary background I enjoy working on complex projects and providing data based solutions. I am comfortable using various statistical approaches and clearly communicating the results of the analysis. My academic background prepared me for rigorous analysis as well as efficiently and successfully completing research projects with unique challenges.

I have used R, Python and Stata to successfully carry out wide ranging analytical tasks from machine learning to cleaning and preparing big datasets. I have extensive training and experience on reporting the results of complex analysis in a clear and informative manner.

Education

- 2015 – 2019 **PhD**, Political Science, Central European University
- 2018 **Visiting PhD Researcher**, KU Leuven, Department of Economics
- 2016 – 2017 **Advanced Certificate in Network Science**, Central European University
- 2014 – 2015 **MA**, International Relations and European Studies, Central European University
- 2012 – 2014 **MA**, International Economics and Business, Corvinus University of Budapest
- 2008 – 2012 **BA** in International Business, Budapest University of Technology and Economics

Professional Experience

- 2019 – **Research Fellow**, poltextLAB, Hungarian Academy of Sciences Centre of Excellence
 - I am part of the poltextLAB, where we specialize in Natural Language Processing based research
 - Using distributed computing tools, such as Hadoop and Spark I am successfully developing supervised machine learning approaches for NLP applications.
- 2016 – **Data Science consulting**, Freelancer
 - I have developed and deployed an NLP based item recommender system for a regional e-commerce company.
 - I was also leading the efforts to develop and implemented a machine learning based demand forecasting system.
 - Quantitative analysis of a large internal survey at Central European University.
- 2018 – **Instructor**, European Consortium of Political Research

- Introduction to R
- Panel Data Analysis

2014 **Quantitative Analyst trainee**, National Bank of Hungary

- I was part of the analyst team that prepared the background analysis for the acquisition of the Budapest Stock Exchange in 2015.

Publications

- 2021 **Máté, Á.**, Sebők, M., Barczikay, T. The effect of central bank communication on sovereign bond yields: The case of Hungary. *Plos one* 16(2): e0245515. <https://doi.org/10.1371/journal.pone.0245515>
- 2018 Mihályi, D., **Máté, Á.** Text-Mining IMF Country Reports – An Original Dataset, SSRN Working Paper, <https://ssrn.com/abstract=3268934> (Presented at PEIO 2019)
- 2016 **Máté, Á.** Inequalities During and After Transition in Central and Eastern Europe. *Europe-Asia Studies* 68 (7): 1275–76:3
- 2015 **Máté, Á.** The Eurozone Crisis and the Future of Europe—The Political Economy of Further Integration and Governance., *Society and Economy*, Sep 2015, Vol. 37, Issue 3, pp. 415-426
- 2015 Takács, V., **Máté, Á.**, Nagy, S. G. Changes in tax structures in European Union member states. *Society and Economy*, 37, 137-155.

Skills

Statistics: R (advanced); Python (proficient); Stata (intermediate); Tensorflow / Keras (intermediate); MySQL (intermediate); Git (intermediate)

Document editing: LaTeX, MS Office suite

Languages: Hungarian (native); English (proficient); French (intermediate in reading, beginner in speaking, writing)