

MARTIN KOSÍK

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<https://martin-kosiik.github.io/homepage/>

EDUCATION

CERGE-EI, Prague PhD in Economics	2021 - present
CERGE-EI, Prague MA in Economics	2019 - 2021
Institute of Economic Studies, Charles University, Prague Bachelor degree Summa cum laude	2016 - 2019

RESEARCH VISITS

Kellogg School of Management, Northwestern University September 2022 - December 2022
Invited by Nancy Qian

WORK IN PROGRESS

Ethnic Procurement

with Vasily Korovkin and Pasha Andreyanov

- The role of ethnic ties in Russian public procurement auctions
- Large database of 20 million purchases with information on prices, detailed product categories, bureaucrats etc.

Optimal Targeting of Interventions to Reduce Crop Residue Burning

draft slides (very preliminary)

- I apply an atmospheric model (HYSPLIT) to compute the average population exposure to pollution caused by crop residue burning across different locations in northwestern India
- The results are used to calculate spatially optimal policy for targeting of interventions to reduce crop residue burning

The Effect of Vitamin A and Deworming on Education

OSF registration, Pre-Analysis Plan [project on hold due to the data unavailability]

- I plan to use administrative and census data to estimate the effects of DEVTA trial on school enrollment and academic achievement
- DEVTA trial was a large-scale experiment in India which randomized vitamin A supplementation and deworming treatment to pre-school children to study the effects on health outcomes (see Awasthi et al. 2012a and Awasthi et al. 2012b)

RESEARCH ASSISTANCE

Conflict and Inter-Group Trade [published in AER] August 2020 - June 2022
Vasily Korovkin and Alexey Makarin

- I helped with scraping documents on arbitration cases considered in Russian courts and I developed tools to extract useful information from the raw text (e.g., the names of defendants and plaintiffs), which combined machine learning and fuzzy string matching

- I also worked on ensuring the whole analysis can be exactly replicated on a different computer

Volební lavička (Voter's bench) project [unpublished]

May 2018 - September 2019

Michal Bauer, Julie Chytilová, and Filip Matějka

- Research project studying information acquisition of voters in Czech municipal elections
- This was done through creation of a website where politicians could fill in their platforms and voters could easily compare them
- My responsibilities included searching contact information on politicians, maintaining the databases of registered politicians, data cleaning and exploratory data analysis

TEACHING ASSISTANCE

Econometrics II (PhD sequence)

May 2022 - July 2022

Professor: Vasily Korovkin

Content: panel data methods (FE and RE, difference-in-differences, dynamic panel data models)

GRANTS

Charles University Grant Agency

March 2022

Martin Kosík as a co-researcher, Jan Žemlička as PI

CZK 681,000 (\approx USD 29,042)

for Advanced Neural Networks Architectures for Solving Heterogeneous Agent Models

HONORS, AWARDS, AND FELLOWSHIPS

2021 RSJ Second-Year Research Fellowship - first prize

- Awarded for the best research proposals submitted by MA or PhD students in economics at CERGE-EI

CERGE-EI Alumni Excellence Fellowship for 2020/2021

- awarded to second-year students who manage to pass the complete first-year general exams with a PhD pass and rank among the top three

2019 Deloitte Outstanding Thesis Nomination

- for exceptional bachelor's or master's theses defended at the Institute of Economic Studies of the Faculty of Social Sciences at Charles University (7 theses out of 127 nominated)

IES Excellence scholarship in 2016/2017 and 2017/2018

- Awarded to 10% students with the best GPA at the Institute of Economic Studies of the Faculty of Social Sciences at Charles University

COMPUTER SKILLS

Advanced

R (Tidyverse, sf, ...), Python (Tensorflow, Spacy, Scrapy, ...), L^AT_EX

Intermediate

Google Earth Engine, QGIS, Stata, Matlab, Git

LANGUAGES

Czech

Native

English

Fluent

German

Intermediate

EXTRACURRICULAR ACTIVITIES

Active member of the Czech Association for Effective Altruism

REFERENCES

Vasily Korovkin, Ph.D.

CERGE-EI

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doc. PhDr. Michal Bauer, Ph.D.

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doc. RNDr. Filip Matějka, Ph.D.

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