

MARTIN KOSÍK

(+420) 603 264 141 ♦ martin.kosiik@gmail.com

Radenín 34, 391 20 Radenín

Citizenship: Czech Republic

EDUCATION

CERGE-EI, Prague PhD in Economics	2019 - present
CERGE-EI, Prague MA in Economic Research	2019 - 2021 GPA: 3.86
Institute of Economic Studies, Charles University Bachelor degree Summa cum laude	2016 - 2019

WORK IN PROGRESS

Ethnic Procurement

with Vasily Korvkin 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.
- Ethnicity of bureaucrats and firm managers is predicted from surnames using a specialized neural network

Optimal Targeting of Interventions to Reduce Air Pollution

- I apply air pollution transport modelling (HYSPLIT) to compute the average population exposure to pollution caused by crop residue burning across different locations in North India
- The results will be used to calculate spatially optimal policy for targeting of interventions to reduce crop residue burning

Advanced Neural Networks Architectures for Solving Heterogeneous Agent Models

with Jan Žemlička

- We propose to employ deep lattice networks to develop a modification of the continuous-time value iteration scheme to solve complex incomplete market models
- The proposed method is explicitly designed to address challenges that arise in the process of approximating high dimensional distributions and value functions

RESEARCH ASSISTANCE

Volební lavička (Voter's bench) project

May 2018 - September 2019

Research Assistant

- Research project led by Michal Bauer, Julie Chytilová and Filip Matějka 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

GRANTS

Charles University Grant Agency
Me as a co-researcher, Jan Žemlička as PI

March 2022

- for Advanced Neural Networks Architectures for Solving Heterogeneous Agent Models

ACADEMIC ACHIEVEMENT

IES Excellence scholarship for academic years 2016/2017 and 2017/2018

Deliotte Outstanding Thesis Award (for bachelor thesis)

CERGE-EI Excellence fellowship for 2020/2021

RSJ Second-Year Research Fellowships - first prize

LANGUAGES

Czech	Native
English	Fluent
German	Intermediate

EXTRACURRICULAR ACTIVITIES

Occasionally write articles for [The Student Times](#) (part of E15.cz) on economics and science in general

Charles University Debate Club

Active member of the Czech Association for Effective Altruism

REFERENCES

Vasily Korovkin, Ph.D.
CERGE-EI
email: vasily.korovkin@cerge-ei.cz

doc. PhDr. Julie Chytilová, Ph.D.
Charles University, CERGE-EI
email: chytilova@fsv.cuni.cz

doc. PhDr. Michal Bauer, Ph.D.
CERGE-EI, Charles University
email: michal.bauer@cerge-ei.cz