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NBER Doctoral Student Workshop
Economics of Artificial Intelligence
Organizing Committee
– via online form –

Munich, May 15, 2021

Application to the NBER Doctoral Student Workshop on Economics of AI 2021

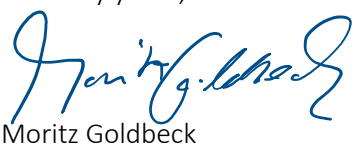
To Whom This May Concern:

With great interest I noticed that the NBER Doctoral Student Workshop on Economics of Artificial Intelligence is offered again this year. Having completed my first year of PhD studies in economics at the University of Munich I am sure that my research will greatly benefit from this workshop.

A research project of mine is on team collaboration of software developers on a large online platform. Not only are software developers at the hearth of AI production (both ideas and applications) and the production process of AI takes place largely in the virtual space. They also use AI techniques frequently in their own work and collaborate in a new and interesting way by sharing the building blocks of their work openly with everyone ("open source"). Studying their interaction on the largest online repository platform GitHub is therefore interesting for economists to answer a host of relevant research questions: What factors influence individual and team performance of AI developers? How effective is virtual collaboration? How do professional networks and interconnectedness of developers shape new technologies?

All in all, I think your workshop is a perfect place to get to know the research frontier in the field and will enable me to develop and perform original and innovative research on the economics of AI.

Sincerely yours,



Moritz Goldbeck

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Positions

01/2020 –	**PhD Student**, University of Munich · Munich Graduate School of Economics	*Munich, Germany*
01/2020 –	**Junior Economist**, ifo Institute · Center for Industrial Organization and New Technologies	*Munich, Germany*
01/2021 –	**Member**, German Research Foundation (DFG) · CRC 190 "Rationality & Competition"	*Munich, Germany*
04/2021 –	**Research Fellow**, Bavarian Institute for Digital Transformation (bidt)	*Munich, Germany*

Research Interests

Primary	Economics of the Digital Transformation · Urban/Regional Economics · Labor Economics
Secondary	Economics of Networks · International Economics

Education

09/2017 – 12/2019	**MSc in Economics**, University of Munich	*Munich, Germany*
09/2015 – 02/2016	**Visiting Student**, Istanbul Technical University (ITÜ)	*Istanbul, Turkey*
10/2013 – 09/2016	**BSc in Economics and Business Administration**, University of Frankfurt	*Frankfurt, Germany*

Experience

09/2017 – 03/2019	**Research Assistant**, ifo Institute · Center for International Economics	*Munich, Germany*
01/2017 – 03/2017	**Internship**, PricewaterhouseCoopers (PwC)	*Frankfurt, Germany*
10/2016 – 12/2016	**Internship**, German Society for International Cooperation (GIZ)	*Eschborn, Germany*
06/2014 – 08/2014	**Research Assistant**, Univerity of Frankfurt · Chair for International Economic Policy	*Frankfurt, Germany*
08/2012 – 07/2013	**Volunteer**, NETZ Bangladesh · MJSKS	*Ulipur, Bangladesh*

Skills

Programming	Stata, Python, R, ArcGIS, HTML/CSS, LaTeX
Data Experience	firm- and household-level panel data, geodata, trade data
Languages	German (fluent), English (fluent), French (basic), Bangla (basic)

Publications

Policy Briefs

- **Die chinesische Seidenstraßeninitiative: Kann der deutsche Außenhandel profitieren?** April 2020. *Ökonomenstimme.* (joint with Alexander-Nikolai Sandkamp)
- **Feindliche Übernahme? Chinas Auslandsinvestitionen unter der Lupe.** April 2019. *ifo Schnelldienst 72(08).* (joint with Gabriel Felbermayr and Alexander-Nikolai Sandkamp)
- **Chinas ausländische Direktinvestitionen: Ein Überblick.** March 2019. *Kiel Policy Brief 123.* (joint with Gabriel Felbermayr and Alexander-Nikolai Sandkamp)

Reports

- **Die neue Seidenstraße – Wachstumsregion zwischen Europa und Asien.** May 2019. *Impulse für die Wirtschaftspolitik: Megatrends im Welthandel.* (joint with Frank Bickenbach, Gabriel Felbermayr, Wan-Hsin Liu and Alexander-Nikolai Sandkamp)

Book Chapters

- **The Rise of Non-tariff Measures and Consequences for Global Trade.** June 2018. *Schwerpunkt Außenwirtschaft 2017/2018: Protektionismus: Ursachen, Erscheinungsformen, ökonomische Effekte, Facultas.* (joint with Erdal Yalcin)

Work in Progress

- **Digital Infrastructure and Local Economic Growth: Early Internet in Sub-Saharan Africa** (joint with Valentin Lindlacher)
- **Economic Effects of Mobile Internet in Germany** (joint with Valentin Lindlacher)
- **Professional Networks and Team Performance**

Graduate Coursework

2021 BGSE Summer School in Complex Network Analysis, *Barcelona* · BGSE Quantitative Methods in Competition Analysis, *Barcelona* · MGSE Field Course Labor Economics, *Munich*

2020 The Oxford Summer School in Economic Networks, *Oxford* · EBE/CRC Summer School in Applied Microeconomics, *Munich* · MGSE Field Course Natural Language Processing, *Munich* · Macroeconomics Business Cycles, *Munich* MGSE Research Data Management, *Munich*

Consulting

Antitrust Cases

- **Trucks cartel damage estimation** (joint with Oliver Falck and Johannes Koenen) · German District Courts
- **Drugstore goods information exchange damage estimation** (joint with Oliver Falck and Johannes Koenen) · District Court Munich

Policy Consulting

- **The World Trade Organization at 25** (joint with Erdal Yalcin) · Bertelsmann Foundation
- **Trade Effects of China's Belt and Road Initiative** (joint with Gabriel Felbermanyr and Alexander Sandkamp) · Bavarian Chamber of Industry

Teaching

ST 2021	**Economics of the Digital Transformation**, undergraduate seminar	*University of Munich*
ST 2020	**New Empirical Methods in Economics**, undergraduate seminar	*University of Munich*
countinuously	**Bachelor and Master Theses**, theses supervision	*University of Munich*

Service

2020 –	**Organizer**, ifo Center for Industrial Organization and New Technologies Research Seminar
2020 –	**Coordinator**, ifo Competition Economics Unit

Honors & Grants

2021	**Research Grant (Co-PI)**, Incubator · Bavarian Institute for Digital Transformation (bidt)	*56kEUR*
2021 –	**Scholarship (partial)**, CRC TRR 190 · German Research Foundation (DFG)	
2018 –	**Scholarship**, e-fellows	
2016	**Dean's High Honor List**, Istanbul Technical University	
2012 – 2013	**Scholarship**, Weltwärts Program · Ministry for Economic Cooperation and Development	
2011	**Federal State Award**, German Historical Research Competition · Körber Foundation	

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Herrn
Moritz Goldbeck
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München, 27. April 2021

Transcript of Record

Moritz Goldbeck, affiliated to ifo Institute, has achieved the following results in courses in the doctoral program at the Munich Graduate School of Economics (MGSE). The program is entirely taught in English.

Semester	Course Title	Course Type	Lecturer	Result
SuSe 2020	Macroeconomics - Business Cycles	Mandatory Course	G.Meyerheim	Passed
WiSe 2020/21	MGSE Scientific Research Practice Workshop (Oct 14th, 2020)	Soft Skill Course	J.Winter	Attended
SuSe 2020	Big data in health economics: Health interventions across the lifecycle and beyond	CES Lecture	M.Lührmann	Attended
SuSe 2020	Intergenerational Mobility	CES Lecture	J.Stuhler	Attended
SuSe 2020	Public Economics (equ. 2 CES Lectures)	CES Lecture	D.Sachs	Attended
SuSe 2020	Credence Goods	CES Lecture	M.Schwarz	Attended

WiSe 2020/21	Social and Political Consequences fo Globalization and Technological Change	CES Lecture	I.Colantone	Attended
WiSe 2020/21	Gender, Gender Equality, and Diversity in Academia	Soft Skill Course	J.J.Moos	Attended
SuSe 2020	2020 EBE / CRC Summer School: Applied Microeconomics - Topics and Methods	Optional Course	J.Winter	Attended
WiSe 2020/21	Political Economy & Online Media: Recent Advances using Natural and Field Experiments	CES Lecture	L.Braghieri	Attended
WiSe 2020/21	Natural Language Processing for Economists	Field Course	S.Vajjala	Passed
SuSe 2020	Oxford Summer School in Economic Networks (22.06.-26.06.2020)	Optional Course	N.O'Clery	Attended