

# Jaehyuk Park

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CONTACT INFORMATION	School of Public Policy and Management, Korea Development Institute (KDI School), Sejong-si, Republic of Korea	Email: jpark@kdis.ac.kr
CURRENT APPOINTMENT	<b>Assistant Professor</b> School of Public Policy and Management, Korea Development Institute, Sejong-si, Republic of Korea	August 2021 -
	<ul style="list-style-type: none"><li>• Core Faculty in Data Science for Public Policy and Management Program</li></ul>	
EDUCATION	<b>Ph.D. in Informatics</b> Luddy School of Informatics and Computing, Indiana University, Bloomington, Indiana, USA	July 2020
	<ul style="list-style-type: none"><li>• Advisor: Yong-Yeol Ahn</li><li>• Minor: Economics</li></ul>	
	<b>M.S. in Culture Technology</b> Korea Advanced Institute of Science and Technology (KAIST), Daejeon, South Korea	August 2012
	<ul style="list-style-type: none"><li>• Advisor: Meeyoung Cha, Wonjae Lee</li></ul>	
	<b>B.A. in Economics</b> Yonsei University, Seoul, South Korea	February 2010
PROFESSIONAL EXPERIENCE	<b>Postdoctoral Fellow</b> Kellogg School of Management, Northwestern University	Aug 2020 - June 2021
	<b>Visiting Scholar</b> Kellogg School of Management, Northwestern University	May 2019 - July 2020
	<b>Contingent Research Scientist</b> Core Data Science Team, Facebook	April 2019 - April 2020
	<b>Visiting Scholar</b> IPAM, University of California, Los Angeles	March 2016 - May 2016
	<b>Intern Researcher</b> Korea Institute of Science and Technology (KIST), Seoul, South Korea	June 2013 - June 2014
PUBLICATIONS	<b>Jaehyuk Park*</b> , Bogdan State*, Monica Bhole, Mike Bailey, and Yong-Yeol Ahn. "People, Places, and Ties: Landscape of social places and their social network structures" (* Contributed Equally), <i>arXiv preprint arXiv:2101.04737</i> , 2021.	
	<b>Jaehyuk Park</b> , Morgan R. Frank, Lijun Sun, and Hyejin Youn. "Industrial Topics in Urban Labor System", <i>arXiv preprint arXiv:2009.09799</i> , 2020.	
	Woo Seong Jo, <b>Jaehyuk Park</b> , Arthur Luhur, Beom Jun Kim, and Yong-Yeol Ahn. "Extracting hierarchical backbones from bipartite networks". <i>arXiv preprint arXiv:2002.07239</i> , 2020.	
	<b>Jaehyuk Park*</b> , Ian B. Wood*, Elise Jing, Azadeh Nematzadeh, Souvik Ghosh, Michael D. Conover, and Yong-Yeol Ahn. "Global labor flow network reveals the hierarchical organization and dynamics of geo-industrial clusters" (* Contributed Equally). <i>Nature Communications</i> , 2019.	
	Perry, Brea L., Kai Cheng Yang, Patrick Kaminski, Meltem Odabas, <b>Jaehyuk Park</b> , Michelle Martel, Carrie B. Oser, Patricia R. Freeman, Yong-Yeol Ahn, and Jeffery Talbert. "Co-prescription network reveals social dynamics of opioid doctor shopping". <i>PLOS ONE 14</i> , no. 10 (2019): e0223849, 2019.	
	<b>Jaehyuk Park</b> , Giovanni Luca Ciampaglia, and Emilio Ferrara. "Style in the Age of Instagram: Predicting Success within the Fashion Industry using Social Media". <i>Computer-Supported Cooperative Work and Social Computing (CSCW)</i> , 2016.	
	<b>Jaehyuk Park</b> , Beunguk Ahn, Rohjoon Myung, Kyuree Lim, Wonjae Lee, and Meeyoung Cha. "Revolution 2.0 in Tunisia and Egypt: Reactions and sentiments in the online world". <i>Proc. of the International AAAI Conference on Weblogs and Social Media (ICWSM)</i> , 2011.	

**Jaehyuk Park**, Minki Kim, and Meeyoung Cha. “An Inconvenient Truth: Where you live decides how you are treated online”. In *Proc. of Workshop on Information in Network (WIN)*, 2012.

Abbas Ali Butt, **Jaehyuk Park**, Yong-Moo Kwon. “Collecting and Grouping of Distributed and Heterogeneous SNS Contents for Collaborative Storytelling”. In *Proc. of Asia Pacific Advanced Network (APAN) Network Research Workshop*, 2013. (*Best Student Paper*)

WORKING  
PAPERS

Kangsan Lee\*, **Jaehyuk Park**\*, and Yong-Yeol Ahn. “Valuing Art: Professional vs. Algorithm” (\* Contributed Equally), *In preparation*

**Jaehyuk Park**, Fabio Rojas, and Yong-Yeol Ahn. “Is Hiphop Visualizin’ The Realism of Life in Acutuality?”, *In preparation*

**Jaehyuk Park**, Meeyoung Cha, Yong-Yeol Ahn, and Minki Kim. “An Inconvenient Truth: Where you live decides how you are treated online”, *In preparation*

TEACHING  
EXPERIENCE

**Associate Instructor**, Data Visualization Fall 2018, Fall 2019, Spring 2020

**Associate Instructor**, Information Infrastructure II Spring 2019

**Associate Instructor**, Information Infrastructure I Fall 2015, Spring 2016

**Associate Instructor**, I590 (I400) - Mining The Social Web Spring 2015

**Teaching Assistant**, Network Media Fall 2010

IN THE PRESS

***Global labor flow network reveals the hierarchical organization and dynamics of geo-industrial clusters (Nature Communications, 2019)***

- **Indianapolis Business Journal** — IU researchers partner with LinkedIn to publish labor flow study
- **American Association for the Advancement of Science (AAAS)** — Researchers create first-ever ‘map’ of global labor flow
- **Phys.org** — Researchers map global economy in collaboration with LinkedIn

***Style in the Age of Instagram: Predicting Success within the Fashion Industry using Social Media (CSCW, 2016)***

- **CBS News** — Who will be America’s next top model? Ask Instagram
- **MIT Technology Review** — Machine Learning Algorithm Predicts Which New Faces Will Make It as Fashion Models
- **Communications Of The ACM** — Machine Learning Selects World’s Next Top Models
- **Vogue** — The Science of a Supermodel
- **New York Magazine** — Can You Scientifically Predict a Model’s Success?
- **Wall Street Hedge** — Scientists Can Predict America’s Next Top Model

PATENT	<b>US Patent App. 15/229,956</b> Data flow based feature vector clustering	February 2018
	<b>US Patent 9,834,513</b> Apparatus for Collecting Contents using Social Relation Character and Method Thereof	July 2016
TALKS	Two Oral Presentations, International Conference of Computational Social Science (IC2S2)	July 2021
	Oral Presentation, Networks 2021	July 2021
	Guest Lecture - "Social Network Analysis", Underwood International College	December 2020
	Invited Talk - Postdoctoral Seminar, Michigan Institute for Data Science (MIDAS), University of Michigan	December 2020
	Guest Lecture - "Network Science & Analysis", University of Pittsburgh	November 2020
	Three Oral Presentations, International Conference of Computational Social Science (IC2S2)	July 2019
	Oral Presentation, NetSci 2019	May 2019
	Oral Presentation, The fifth annual conference in the series on Network Science and Economics	April 2019
	Poster Presentation, 35th Annual NABE Economic Policy Conference	February 2019
	Oral Presentation, Conference on Complex Systems (CCS' 17)	September 2017
	Poster Presentation, NetSci 2017	September 2017
	Oral Presentation, ACM conference on Computer-Supported Cooperative Work and Social Computing (CSCW' 16)	February 2016
	Oral Presentation, 2011 Workshop on Information in Networks (WIN)	September 2011
	Poster Presentation, Fifth International AAAI Conference on Weblogs and Social Media (ICWSM)	July 2011