

Hongkyu Kim

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Education

- Sep 2018 – Present **M.Sc., Mathematics**, *ETH Zürich*, Zürich, Switzerland.
Thesis: Regression Discontinuity Design
Advisor: Professor Marloes H. Maathuis
- Aug 2017 **B.Sc., Mathematical Sciences, cum laude**,
Korea Advanced Institute of Science and Technology (KAIST), Daejeon, Republic of Korea.
- Autumn 2015 **Academic Exchange**, *École Polytechnique Fédérale de Lausanne (EPFL)*, Lausanne, Switzerland.

Experience

- Jul 2020–Aug 2020 **Intern**, *NAVER*, Seongnam, Republic of Korea.
◦ Developing bicycle navigation engine using Open Source Routing Machine.
- Jun 2019–Jul 2019 **Data Scientist Intern**, *MakinaRocks*, Seoul, Republic of Korea.
◦ Studied and implemented deep learning models such as AE, β -VAE, JointVAE, and CascadeVAE using PyTorch.

Academic Experience

- Spring 2019 Semester Paper
Title: Problems of Statistical Inference after Model Selection and their Potential Solutions

Teaching Experience

- Spring 2018 Calculus 1, Teaching Assistant
Spring 2015 Calculus 2 (Vector Calculus), Tutor

Skills

- Languages Python, R, SQL, C++, Java, Matlab, Scheme

Languages

- Native Korean
Fluent English
Basic French, German, Spanish

Honors and Awards

- 27 Feb 2019 1st Place, Trading Challenge with IMC
Stock trading algorithm event held at a job fair (MindPhair) at ETH
- 2012–2016 Undergraduate Scholarship Program, Korea Foundation for Advanced Studies (KFAS)
Received approximately 13,000 USD in total for 3 years
- 2011 Bronze Prize, Mathematics Competition for University Students, Korean Mathematical Society