

Junhyung Park

updated 22nd December, 2022



Education

- Nov.2019– **PhD in Machine Learning**, *Empirical Inference Department, Max Planck Institute for Intelligent Systems*, Tübingen, Germany
Supervised by **Krikamol Muandet** and **Bernhard Schölkopf**
Participated: **ELISE Theory Workshop on Machine Learning Fundamentals, 2022**, Eurecom
Participated: **Saint Flour Probability Summer School, 2022**
Participated: **RegML Summer School 2021**, by Lorenzo Rosasco
Organised: **Machine Learning Summer School, Tübingen, 2020**
Participated: **Functional Inference and Machine Intelligent workshop, 2020**, Eurecom
- Sep.2017 – **MSc in Statistics**, *Seminar für Statistik, Dept. of Mathematics, ETH*, Zürich, Switzerland
- Aug.2019 Thesis: “Kernel Measures of Conditional Independence”, supervised by **Sara van de Geer**
Brownian Motion and Stochastic Calculus, Fundamentals of Mathematical Statistics, Computational Statistics, Introduction to Machine Learning, etc.
- Oct.2015 – **MMath in Mathematics**, *Trinity College, University of Cambridge*, Cambridge, UK
- Jun.2016 Commutative Algebra, Functional Analysis, Differential Geometry, Representation Theory, etc.
- Oct.2012 – **BA in Mathematics**, *Trinity College, University of Cambridge*, Cambridge, UK
- Jun.2015 Galois Theory, Linear Analysis, Differential Geometry, Number Fields, Complex Analysis, etc.

Work Experience

- Sep.2016 – **Junior Researcher in Statistics**, *Caleb ABC*, Seoul, Korea
- Jun.2017 Developed data envelopment analysis and logistic regression features on B-Box, a statistics software

Publications

- ALT 2023 Park, J. and Muandet, K. Towards Empirical Process Theory for Vector-Valued Functions: Metric Entropy of Smooth Function Classes.
- ICML 2021 Park, J., Shalit, U., Schölkopf, B. and Muandet, K. Conditional Distributional Treatment Effect with Kernel Conditional Mean Embeddings and U-Statistic Regression.
- arXiv 2020 Park, J. and Muandet, K. Regularised Least-Squares Regression with Infinite Dimensional Output Space.
- NeurIPS 2020 Park, J. and Muandet, K. A Measure-Theoretic Approach to Kernel Conditional Mean Embeddings.

Invited Talks

- Setp 2022 ELISE Theory workshop on machine learning fundamentals, **Kernel Conditional Mean Embeddings and Empirical Process Theory for Vector-Valued Functions**
- Jul 2022 Saint Flour Probability Summer School, **Empirical Process Theory for Vector-Valued Functions**

Mar 2022 Cornell University (Nathan Kallus), **Distributional Treatment Effects with Kernels**
Jul 2020 Petnica Summer Institute Machine Learning (Microsoft, Belgrade), **Kernel Methods in Machine Learning**

Reviews

ACML 2020, 2021
AoS 2021
NeurIPS 2021, 2022
ICLR 2022
AISTATS 2022 (Top 10% of reviewers)
ICML 2022

Technical Skills

Programming PYTHON, R, MATLAB
Software L^AT_EX

Languages & Additional Activities

Languages Korean (Mother Tongue), English (Bilingual), French (Upper-Intermediate), German (Elementary), Italian (Elementary)
Football Member of Trinity College 1st Football Team (2012-2016) with captaincy (2013-2014).
Member of TV Derendingen 2021–
Other Sports Badminton, Running, Gym
Music Piano, grade 8, Associated Board of the Royal Schools of Music, UK