

# Junhyung Park

updated 17<sup>th</sup> August, 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

- arXiv 2022 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,
- 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  $\LaTeX$

## Languages & Additional Activities

Languages Korean (Mother Tongue), English (Bilingual), French (Upper-Intermediate), German (Elementary), Italian (Elementary)  
Football Member of Trinity College 1<sup>st</sup> 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