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### 3. Meet the course team

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## Meet the Course Team

### Instructor



#### Professor Philippe Rigollet

Philippe Rigollet is an associate professor in the Department of Mathematics at MIT. He works at the intersection of statistics, machine learning, and optimization, focusing primarily on the design and analysis of statistical methods for high-dimensional problems. He received a PhD in mathematical statistics from the University of Paris VI. He has held positions as a visiting assistant professor at the Georgia Institute of Technology and then as an assistant professor at Princeton University. He has received an NSF CAREER award, a Howard B. Wentz Jr. Junior Faculty Award at Princeton and the best paper award at the conference on learning theory COLT 2013.

### In the Videos



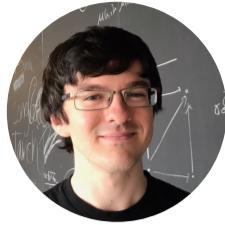
#### Jan Christian Huetter

Jan-Christian Huetter is a PhD student in the Mathematics department at MIT. His research in Mathematical Statistics is about shape constrained estimation and causal discovery. He was a teaching assistant for High-Dimensional Statistics (18.657) in 2017. You will see him in many recitation videos in this course.

#### Tyler Maunu

Tyler is an Instructor of Applied Mathematics at MIT. Previously, he obtained his PhD in Mathematics and MS in Statistics at the University of Minnesota in 2018. His current research interests span statistics, machine learning, computer vision, and nonconvex optimization. In the past, he has specifically focused on the problem of robust subspace recovery. Tyler has been an instructor for the residential course *18.650 Fundamentals of Statistics*. You will see him in many recitation videos in this course.

# Behind the Scenes



## Paxton Turner

Paxton Turner is a fourth year graduate student in mathematics at MIT studying probability and statistics, advised by Philippe Rigollet. In particular, he is interested in discrete models as well as high-dimensional probability. He is from Baton Rouge, Louisiana and earned a B.S. in mathematics from Louisiana State University in 2015.

Paxton made major and significant contribution to the content of *18.6501x Fundamentals of Statistics*.



## Farrell Eldrian Wu

Farrell Eldrian Wu is a second-year undergraduate at MIT majoring in Computer Science, Data Science, and Economics. He has a wide variety of academic interests, encompassing math, computer science, economics, and finance, tied together with a focus on modeling societal phenomena using mathematical techniques. He grew up in Philippines, where he won the country's first gold medal at the International Mathematical Olympiad as well as a bronze medal at the International Olympiad in Informatics.

Farrell made significant contribution to the content of *18.6501x Fundamentals of Statistics*. Prior to joining the 18.6501x course team, he served as a TA for 6.042 (Mathematics for Computer Science) and is the founding lecturer for the January term class 6.S087 (Matrix Tricks for Statistics and Data Science), both at MIT.



## Karene Chu

Karene Chu received her Ph.D. in mathematics from the University of Toronto in 2012. Since then she has been a postdoctoral fellow first at the University of Toronto/Fields Institute, and then at MIT, with research focus on knot theory. She has taught multiple courses in mathematics at the University of Toronto where she received a teaching award.

Since then, as a digital learning lab fellow at MIT, she made major and significant contribution to the MITx courses in mathematics, including the Calculus series and Differential equations series.

She is the Assistant Director for Education of the *IDSS MicroMasters Program in Statistics and Data Science*. She is leading the effort in the production and running of this program .

## Younhun Kim

Younhun is a current Ph.D. student at Massachusetts Institute of Technology, studying Applied Mathematics. His focus is on combinatorics and statistics, with an emphasis on mathematical frameworks used as a means of studying real-world problems, such as Cancer Biology and Population Genetics. Youn has previously worked in industry as a programmer and received a degree in Computer Science from Brown University.

Younhun made major and significant contribution to the content of *18.6501x Fundamentals of Statistics*.



## Sudarsan V S Ranganathan

Sudarsan was a postdoctoral associate at the Institute for Data, Systems, and Society (IDSS) at MIT. He received his PhD in Electrical and Computer Engineering from UCLA Henry Samueli School of Engineering and Applied Science in 2018.

Sudarsan's main research interests are algorithmic and combinatorial problems in coding and information theory, data science, and machine learning. At IDSS, Sudarsan focused on problems in these areas and was also actively involved in course development for the IDSS Micromasters program in Data Science and Statistics.

Sudarsan made significant contribution to the content of *18.6501x Fundamentals of Statistics*, and has been one of the instructors on the forum of this course in previous runs.

# Special thanks to

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