

# BONGSOO YI

📍 17, Ogeum-ro 35-gil, Songpa-gu, Seoul, 05658, Republic of Korea

✉ austinyi@snu.ac.kr • 💻 <https://austinyi.github.io>

## RESEARCH INTEREST

---

High-dimensional Statistics, Nonparametric Statistics, Prescriptive Analytics, Machine Learning, Bayesian Statistics

## EDUCATION

---

**Seoul National University (SNU)** Mar. 2018 - Present  
The integrated MS/Ph.D. Course of Science in Statistics; GPA: 4.00/4.30 Seoul, Korea

**Passed the Ph.D. qualifying exams** (Theory of Statistics, Applied Statistics, Probability Theory)  
Left for 2 years due to mandatory military service after one semester (Jul. 2018 - May. 2020 expected)

**Seoul National University (SNU)** Mar. 2014 - Feb. 2018  
Bachelor of Science in Statistics; Graduated 3rd class honor Seoul, Korea

**Sejong Science High School (SSHS)** Mar. 2012 - Feb. 2014  
1 year early graduation; Specialized high school for gifted students in mathematics and science Seoul, Korea

## RESEARCH EXPERIENCE

---

**Bayesian Statistics Laboratory, SNU** Jun. 2017 - Aug. 2017, Jun. 2019 - Jul. 2019  
Research Intern (Advisor: Prof. Jaeyong Lee)

- Studied statistical time series analysis by dynamic linear models and forecast the fine dust concentration in Seoul
- Analyzed the causal relationship between mental illness and crime using Markov equivalence class of DAGs
- Participated in a lab seminar on “Bayesian Deep Learning with R”

**Nonparametric Function Estimation Laboratory, SNU** Dec. 2017 - Jun. 2018  
Research Intern (Advisor: Prof. Byeong U. Park)

- Studied Nonparametric Regression (Local Polynomial Regression, Kernel and Spline smoothing) and Wavelet
- Participated in “2018 SNU International Statistics Workshop”

**IDEA Laboratory, SNU** Jul. 2017 - Dec. 2017  
Research Intern (Advisor: Prof. Yongdai Kim)

- Participated in a 5 month lab seminar on Deep Learning Architectures
- Studied Natural Language Processing (NLP) with Deep Learning and life-long one-shot learning in recurrent neural networks on a large-scale machine translation task

## AWARDS & HONORS

---

**Dean's List, College of Natural Sciences, SNU** 2017  
• An honor for students who showed top academic performance

**National Scholarship for Science and Engineering, Korea Student Aid Foundation** 2016 - 2017  
• Full tuition for 2 years who showed top academic performance in the first and second year of university

**Full Merit Scholarship, SNU** 2014 - 2015  
• Full tuition for students with top academic scores in the semester

**36th National Undergraduate Mathematics Competition, Korean Mathematical Society** Nov. 2017  
• Bronze Medal (Field 1: For mathematical majors)

<b>2019 International Quant Championship, WorldQuant</b>	Mar. 2019 - Jul. 2019
<ul style="list-style-type: none"> <li>• Reached the Stage 2 National Finals with excellent performances</li> <li>• Be offered a Research Consultant Position with the WorldQuant Virtual Research Center</li> </ul>	
<b>15th SAS Analysis Championship, SAS Korea</b>	Aug. 2017
<ul style="list-style-type: none"> <li>• Top 13 teams (Topic: Personalized Video Content Recommendation Analysis based on Mobile Behavior)</li> </ul>	
<b>SCSC Academic Scholarship, Samsung Convergence Software Course</b>	Aug. 2017
<b>23rd Seoul Mathematical Olympiad, Seoul Metropolitan Office of Education</b>	Jun. 2011
<ul style="list-style-type: none"> <li>• Awarded Grand prize (1st place)</li> </ul>	

## TEACHING EXPERIENCE

<b>033.019: Statistics, Teaching Assistant, Department of Statistics, SNU</b>	Spring 2018
<ul style="list-style-type: none"> <li>• Ran office hours for over 80 students every week</li> <li>• Answered questions in person and online, examined and marked assignments and exams</li> </ul>	
<b>033.016: Basic Calculus 1, Instructor, Department of Mathematical Science, SNU</b>	Spring 2017
<ul style="list-style-type: none"> <li>• Gave lectures once a week and answered all the questions in person and online</li> </ul>	
<b>Personal Tutor</b> for middle school, high school and university students	Dec 2013 - Present
<ul style="list-style-type: none"> <li>• Mathematics (Calculus; Linear Algebra; Differential Equations; Number Theory)</li> <li>• Statistics (Mathematical Statistics; Regression Analysis)</li> <li>• Programming (Python; Java) and Computer Science (Algorithm; Data Structure)</li> </ul>	

## EXTRACURRICULAR ACTIVITIES

<b>Social Service Agent, Songpa District Office</b>	Jul. 2018 - May. 2020 expected
<ul style="list-style-type: none"> <li>• Worked in public service as an alternative to mandatory military service</li> </ul>	
<b>Class President, Department of Architectural Engineering, SNU</b>	2014
<ul style="list-style-type: none"> <li>• Represented the class of 14</li> </ul>	
<b>Camp for Young Engineering Frontiers, College of Engineering, SNU</b>	2014 - 2016
<ul style="list-style-type: none"> <li>• Created academic and recreational programs as camp staff throughout for 5 consecutive camp sessions</li> <li>• Served as life and academic mentor for a group of 5 high school students each session</li> </ul>	
<b>Seoul National University Engineering Magazine, College of Engineering, SNU</b>	2014 - 2016
<ul style="list-style-type: none"> <li>• Wrote articles related to mathematics and edited articles so that they can be catered to high school students</li> <li>• Worked as an executive on 2015</li> </ul>	

## SKILLS

<b>Programming Languages</b>	R, Python, Java, SAS, C, $\LaTeX$
<b>Languages</b>	Korean (native), English (TOEFL MyBest Scores: 110/120)