

Curriculum Vitae

Yong Jin Kweon (Jin Kweon)

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- For more non-academic achievements, I would suggest to check out my LinkedIn (pg. 6).

Information

Born: 24 June 1996, Seoul, Korea.

Citizenship: Korea, Republic of

E-mail: yjkweon24@berkeley.edu or yjkweon24@hanmail.net or yjkweon24@gmail.com
or yong.kweon@mail.mcgill.ca

Mailing address: 3440 Rue Durocher, Apt 217, Montreal, H2X 2E2, Quebec, Canada

Phone number: +1) 514 – 690 – 7926

Interests

Financial planning, Math competitions, World history, Programming languages (Especially R), European soccer (Especially German and Spanish), Bio-statistics/informatics, Statistical inference/computing, (Linear) modeling and regression, Bayesian inference, Nonparametric methods (Mann-Whitney test/Wilcoxon rank sum test), Bootstrapping, Big data analysis, Parameter estimation, Simple random sampling, Machine learning

Education

PhD Candidate in Quantitative Life Science in Progress (Sep, 2018 ~)

McGill University, Montreal, Quebec, Canada

BA in Statistics (Cluster: Mathematics/Economics) in May, 2018

University of California, Berkeley, California, U.S.

AS-T in Mathematics and Business Administration & AA-T in Economics in May, 2016

Diablo Valley College, Pleasant Hill, California, U.S.

High school in June, 2014

Bayridge Secondary School, Kingston, Ontario, Canada

Teaching and Advising

Stat 133 TA/UGSI (Gaston Sanchez) Jan 2018 – May 2018

Statistics Department at University of California, Berkeley

- Lead 2-hour lab sections twice a week.
- Hold 4-hour of office hours a week.
- Proctor, made, grade midterm and final exams.

Stat 135 Reader (Adam Lucas) Aug 2017 – Dec 2017

Statistics Department at University of California, Berkeley

- Opportunity to connect with faculty and GSIs.
- Help grade quizzes, exams, and weekly homework.
- Have regular meeting with GSIs and a professor.

Stat 133 Lab Assistant (Gaston Sanchez) Aug 2017 – Dec 2017

Statistics Department at University of California, Berkeley

- Opportunity to connect with faculty and GSIs.
- Help students do homework and lab assignments in lab hours.
- Tutor R language.
- Experience in helping to educate students on a fundamental statistics topic.

- Opportunity to practice communication skills.
- Experience working in teams.
- Enhanced critical thinking skills.
- Grade R lab assignments according to the professors' rubric.

Stat 133 Lab Assistant (Adam Lucas) Jan 2017 – May 2017

Statistics Department at University of California, Berkeley

- Opportunity to connect with faculty and GSIs.
- Help students do homework and lab assignments in lab hours.
- Tutor R language.
- Experience in helping to educate students on a fundamental statistics topic.
- Opportunity to practice communication skills.
- Experience working in teams.
- Enhanced critical thinking skills.
- Grade R lab assignments according to the professors' rubric.

Stat 198 Reader (Mike Leong) Jan 2017 – May 2017

Statistics Department at University of California, Berkeley

- Help grade weekly quizzes and exams.
- Assist Professor Leong to organize the lectures.
- Mentor Stat 134 (Introduction to Probability) students to succeed in the class.

Haas Young Entrepreneurs at Haas (YEAH)/Boost Mentor Sep 2015 – Dec 2016

Haas School of Business at University of California, Berkeley

- As a mentor, I lead "group 1" of five grade 9 students with another two Berkeley students. I share my experience and guide the younger students to help them achieve their goals.
- As a mentor, I lead a group of grade 11, making presentations with the topic of advocating the needs of education for students.

Math Lab Tutor May 2015 – Jul 2016

Math Lab at Diablo Valley College

- Training students dropping in 1:1 or in groups for statistics, algebra, trigonometry, and calculus, 5 – 7 hours every week.
- Build great relationships with 200+ students, trying to encourage positive changes in them, in terms of math skills and habits.
- Help keep the math lab tidy and clean for students using the services there.

Business Lab Tutor Sep 2015 – May 2016

Business/Accounting Lab at Diablo Valley College

- Training students dropping in for managerial & financial accounting, statistics, and macro & micro economics, 3 – 6 hours every week.
- Troubleshoot business-related questions as an evaluator.
- Unlike the math lab tutor, I can also learn from tutees who come from different classes, since many professors do different but related projects for their classes.

Research

Neuroimaging Research under Professor Sylvain Baillet Sep 2018 – Present

- Data analysis for multimodal electrophysiology and imaging such as MEG and EEG combined with MRI.
- Develop automatic work-flow pipeline for analysis on Brainstorm software.

- Analysis on longitudinal study of the “short-term” effects of brain stimulation with steady state visual stimulation on auditory working memory performances in healthy volunteers.
- Conduct new experiment on “long term” effects of brain stimulation with Transcranial Magnetic Stimulation (TMS) on auditory working memory performances in healthy volunteers.

Conjoint Analysis Research under Professor Philip Stark Feb 2018 – May 2018

- Try to prove why conjoint analysis does not logically make sense in the market.

Honor Thesis under Professor Rasmus Nielsen May 2017 – Nov 2017

- Use Shell script to run fastsimcoal2 to simulate huge amounts of genomic and genetic data.
- Analyze data with Qpwave and Qpadam.

Research Intern under Professor Heather Haveman Feb 2017 – Dec 2017

- Work for Charter Schools and the Business Age: Manual and CS Coding of Websites for Text Analysis.
- Work with the Python/R coder teams to web-scrape and analyze the websites of every U.S. charter school open today.
- Clean the large data sets of dat, csv, and txt files, into the public readable data, to answer the question: “Which charters survive and thrive in this political climate—those that stress discipline and college-readiness, or those that prioritize independent thinking and socio-emotional development?”

Research Intern under Professor Daniel Kammen Sep 2016 – Dec 2016

Renewable and Appropriate Energy Laboratory at University of California, Berkeley

- Work for National Renewable Energy Deployment Research on SWITH project on Mexico region.
- Under professor Daniel Kammen (Professor of Energy and Resources), developing and applying data management skills (using relational database PostgreSQL, Python, Pandas, QGIS, web-scraping, data munging, and data visualization) and gaining exposure to national energy policy.
- Clean large datasets from various sources, and formatting appropriately, using R and Git.
- Build up different statistical analyses for the appropriate modeling of hydropower in Mexico.
- Build up analytical predictions for the future hydro-plant power generations.
- Wrote a scientific research paper on methods of forecasting future hydro-power generations.

University Service

Stat 133 Final Exam Proctor Dec 15 2017

Department of Statistics, University of California, Berkeley

Disabled Students’ Program (DSP) Note-taker Jan 2017 – Aug 2017

DSP office at University of California, Berkeley

Associated Students of University of California Finance Associate Director Sep 2016 – Dec 2016

Administrative Department at University of California, Berkeley

Associated Students at Diablo Valley College (ASDVC) Aug 2014 – May 2016

PR & Activity, Diversity, Legislative, College Success, Curriculum, Budget Committee at Diablo Valley College

Disability Support Services (DSS) Note-taker Jan 2015 – May 2016

DSS office at Diablo Valley College

Professional Service

Machine Learning Internship **May 2017 – Aug 2017**
IPMD

CFO/Co-Founder **Nov 2012 – June 2017**
Onbi, Smartphone Application Co

Marketing Internship **Oct 2014 – Jan 2015**
Transamerica

Community Involvements/Service

Soccer Assistant Coach **Jul 2015 – Oct 2015**

Haiti Missionary **Aug 2015**

Honors and Awards

- High Distinction in general scholarship level at graduation.
- Associate Student at Diablo Valley College (ASDVC) Perfect Attendance Trophy.
- Award of Excellence: Diversity Committee (ASDVC).
- Earned the 1st place at Diablo Valley College for the contest of AMATYC.
- National Founding Contest 2nd Place for Onbi project.
- Placed in the top 7.3% in the Euclid contest, run by Waterloo University, in 2014.
- Placed in the top 15 candidates in my district, qualifying to go to Penn State for a national math contest, in 2014.

Grants and Scholarships

- McGill Quantitative Life Science Department Stipend, \$20,000 CAD (Sept 2018 – Aug 2019)
- Berkeley International Office Grant/Scholarship, \$3,283 (Spring 2018).
- Statistics Department Award/Grant, \$6,315 (Spring 2018).
- DVC Retiree's Association Transfer Scholarship, \$1,000.
- DVC Math Department AMATYC contest winner scholarship, \$150.

Skills and Languages

- Proficient in R.
- Experience in SQL and Latex.
- Basic knowledge of CSS, HTML, C++, XML, Python, MATLAB, UNIX/Linux, Git, and Mathematica.
- Fluent in Korean (able to teach Korean) and English. Studied Chinese and French (Creole).
- Proficiency in Windows, Microsoft Office (Word, Excel, and PowerPoint).
- Intermediate in Photoshop.

Publications

To be updated...

Presentations and Posters

Albouy, P., Martinez-Moreno Z., **Kweon, Y.J.**, Zatorre, R.J., Baillet, S. (2018). Driving working memory with visual rhythmic stimulations. IDRC workshop. Montreal, Canada, Oct. 22 2018.

Albouy, P., **Kweon, Y.J.**, Whittaker, H., Baillet, S., Zatorre, R.J. (2018). Enhancing learning-related plasticity with information based neuromodulation. Auditory learning and plasticity symposium. Montreal, Canada, Oct. 23 2018.

Referees

- **Sylvain Baillet, Professor**

Department of Neurology and Neurosurgery
Department of Biomedical Engineering
Department of Computer Engineering
McGill University
sylvain.baillet@mcgill.ca

- **Nike Sun, Assistant Professor**

Department of Statistics
University of California, Berkeley
nikesun@berkeley.edu

- **Oscar Madrid, Neyman Vising Assistant Professor**

Department of Statistics
University of California, Berkeley
omadrid@berkeley.edu

- **Gaston Sanchez, Lecturer**

Department of Statistics
University of California, Berkeley
gasigiri@berkeley.edu

- **Hermann Helmut Pitters, Neyman Visiting Assistant Professor**

Department of Statistics
University of California, Berkeley
helmut.pitters@berkeley.edu

- **Dora Argueta-Rico, Math Lab Advisor**

Math Lab
Diablo Valley College
dargueta291@insite.4cd.edu

- **James Magee, Professor**

Department of Mathematics
Diablo Valley College
JMagee@dvc.edu

- **Will Parks, Professor**

Department of Mathematics
Diablo Valley College
WParks@dvc.edu

- **Clint Ryan, Professor**

Department of Mathematics

Social Media

- **Website**

<https://yjkweon24.wixsite.com/yongjinkweon>

<https://yjkweon24.github.io/>

- **Github**

<https://github.com/yjkweon24>

- **LinkedIn (For more non-academic achievements, I would suggest to check out my LinkedIn)**

<https://www.linkedin.com/in/jin-kweon-5b687a103>