

# Kibum Moon

38, Deongneung-ro 60ka-gil, Dobong-gu, Seoul, Republic of Korea

Telephone: +82-10-5236-5339 | E-mail: [a072826@gmail.com](mailto:a072826@gmail.com)

<https://kibum-moon.netlify.app/>

## RESEARCH INTEREST

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Measurements, Data Psychology, Emotions, Interpersonal Relationships, Self-image, Positive Psychology

## EDUCATION

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### Korea University, Seoul, Republic of Korea

Sep. 2015 ~

M.A. in Clinical Psychology

Feb. 2018

Thesis: The Effect of implicit attitude toward a partner on relationship satisfaction and relational conflict

Advisor: Young-gun Ko, Ph.D.

GPA: 4.42 / 4.5 (4.0 / 4.0)

### Korea University, Seoul, Republic of Korea

Mar. 2009 ~

B.A. in Psychology

Feb. 2015

B.A. in Science Technology Studies (Double Major)

GPA: 4.24 / 4.5 (3.91 / 4.0)

### University of New South Wales, Sydney, Australia

Feb. 2014 ~

Exchange student in School of Psychology

June 2014

## PUBLICATIONS

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1. **Moon, Kibum**, Kim, S., Kim, J., Kim, H., & Ko, Y. (2020). The mirror of mind: Visualizing mental representations of self through reverse correlation. *Frontiers in Psychology*, 11, 1149. doi: [10.3389/fpsyg.2020.01149](https://doi.org/10.3389/fpsyg.2020.01149)
  2. Kim, S., **Moon, Kibum**, Kim, J., & Ko, Y. (*in press*). The relationship between borderline personality features and affective responses to altering emotional context. *Current Psychology*.
  3. Kim, J., **Moon, Kibum**, & Ko, Y. (2020). A Validation of the Korean Version of Adolescent Positive Mental Health Scale. *Korean Journal of Health Psychology*, 25(4), 823-834. doi: [10.17315/kjhp.2020.25.4.012](https://doi.org/10.17315/kjhp.2020.25.4.012)
  4. Lee, S., **Moon, Kibum**, & Ko, Y. (2019). The Effects of Ego Depletion and Psychological Burden on Fatigue in Everyday Life: Focusing on Narcissism. *Korean Journal of Clinical Psychology*, 38(1), 60-69. doi: [10.15842/kjcp.2019.38.1.005](https://doi.org/10.15842/kjcp.2019.38.1.005)
  5. Back, I., **Moon, Kibum**, & Ko, Y. (2019). A Validation Study of Mental Health Two-Factor Model: In a Sexual Minority Population. *Korean Journal of Woman Psychology*, 24(4).

## MANUSCRIPTS UNDER REVIEW & IN PREPARATION

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1. **Moon, Kibum**, Kim, S., Kim, J., Kim, H., & Ko, Y. (*in preparation*). The portrait of self-image: The relationship between mental representation of self-image and social impressions.
  2. **Moon, Kibum**, Lee, H., & Ko, Y. (*preparing to submit again*) Implicit Accommodation to an Angry Romantic Partner: Effects on Romantic Relationship Persistence.

3. Han, M., Kim, J., **Moon, Kibum**, & Ko, Y. (*preparing to submit again*). The Effects of Gaming Time on Stress.

## CONFERENCE PRESENTATIONS

1. **Moon, Kibum** (2020). The impact of COVID-19 on quality education: Focusing on online learning. Oral presentation at the 3<sup>rd</sup> KU Innovation Forum, Seoul, Republic of Korea.
2. **Moon, Kibum** & Ko, Y. (2018). Facial Expression Accommodation Predicts Quality and Durability of Romantic Relationships. Poster presentation at the 30<sup>th</sup> APS Annual Convention, San Francisco, U.S.
3. **Moon, Kibum**, Kim, H., Kim, S., Lee, C., & Ko, Y. (2017). Validation study of the Korean version of the Balanced Index of Psychological Mindedness. Poster presentation at the 2017 Fall Conference of Korean Clinical Psychology Association, Seoul, South Korea.
4. Kim, J., **Moon, Kibum**, Kim, S., & Ko, Y. (2020). Clinical Usefulness of Visualizing Mental Representations of Self through Reverse Correlation Method to Assess Depression and Anxiety. Poster presentation at the 32<sup>nd</sup> APS Annual Convention, Chicago, IL, U.S.
5. Kim, J., **Moon, Kibum**, Park, J., Kim, S., & Ko, Y. (2020). The Relationship between Mental Health and Belongingness Orientation of the Homeless. Poster presentation at the 2020 Spring Conference of Korean Clinical Psychology Association, Online.
6. Lee, J., **Moon, Kibum**, Lee, S., Han, S., Han, J., & Kwon, H. (2019) Convergence in University Interdisciplinary Education. Oral presentation at 2019 Korea Academy of Complexity Studies, Seoul, Republic of Korea.
7. Park, K., Jung, S., **Moon, Kibum**, Pyo, S., & Choi, K. (2016). Empirically supported treatments in Korea. Oral presentation at the 2016 Spring Conference of Korean Clinical Psychology Association, Chuncheon, Korea

## SCHOLARSHIPS

<b>Fulbright Scholarship Candidate</b>	Sep. 2020
The Korean-American Educational Commission (KAEC)	
Alternate Candidate for a 2021 Fulbright Graduate Student Program Award	
<b>Research Assistance Scholarship</b>	Spring 2017
Department of Psychology, Korea University	Spring & Fall 2016
Full tuition for Four Semesters (\$23,600)	Fall 2015
<b>KU Alumni Scholarships</b>	Spring 2014
The Alumni association, Korea University /	
Full tuition (\$4,200)	
<b>Choonpha Hwangchungha Scholarships</b>	Fall 2013
The Choonpha Hwangchungha Scholarship Foundation	
Full tuition (\$4,200)	
<b>Sung Ryun Scholarships</b>	Spring 2013
The Sung Ryun Scholarship Foundation	
Full tuition (\$4,200)	
<b>Study Scholarships</b>	Fall 2014
Korea University	Fall 2012
Awarded for high GPA (\$1,000 / \$1,100)	
<b>The Welfare Section Scholarships</b>	Spring 2010
Korea University	

Awarded for volunteer activity (\$1000)

### Honors Scholarships

Spring 2009

Department of Psychology, Korea University  
Top 1% GPA student in the department  
35% of tuition (\$1250)

## ACADEMIC HONORS & AWARDS

<b>Participation Award in AI Hub Data Utilization Idea Competition</b>	Nov. 2019
National Information Society Agency (NIA)	
<b>Best Oral Presentation Award</b>	April 2016
Korean Clinical Psychology Association (KCPA)	
<b>Semester High Honors</b>	Fall 2014
Department of Psychology, Korea University	Spring & Fall 2013
Students with a GPA of over 4.0	Spring & Fall 2009

## WORK & RESEARCH EXPERINCE

<b>Data Scientist</b>	Oct. 2019 ~ Present
Data Hub Team, Office of Digital Information, Korea University Advisor: Gyu-Tae Kim. Ph.D.	
<ul style="list-style-type: none"> <li>Developed AI based models that provide personalized recommendations on course/major selection – the first case among universities in South Korea</li> <li>Developed an automatized assessment model to monitor students' psychological adaptation</li> <li>Contributed to rise in the QS World University Rankings of Korea University (83<sup>rd</sup> to 69<sup>th</sup>) by proposing a strategy based on analysis of reputation data</li> <li>Conducted optimal balance analyses to support college policy decision-making – improving course enrollment policy, calculating the optimal admission ratio of foreign students</li> <li>Hosted R programming and advanced statistics workshops for administrative officers</li> </ul>	
<b>Clinical Researcher</b>	Feb. 2019 ~ Sep. 2019
Student Counseling Center, Korea University Advisor: Young-gun Ko. Ph.D.	
<ul style="list-style-type: none"> <li>Built an online system to conduct psychological assessments and provide personalized interpretations Demo (Korean): <a href="https://a072826.github.io/kibum_moon/19_2_KUSCC.html">https://a072826.github.io/kibum_moon/19_2_KUSCC.html</a></li> <li>Provided positive psychology intervention for high school and college students – created a dashboard application for teachers to visually inspect social networks of the classroom Demo: <a href="https://a072826.shinyapps.io/hwasoon_network/">https://a072826.shinyapps.io/hwasoon_network/</a></li> <li>Developed and validated a novel psychological assessment to visualize mental representation of self-image through the reverse correlation method</li> <li>Hosted R programming workshops for psychological researchers and counselors</li> </ul>	
<b>Post-Master Research Associate</b>	Mar. 2018 ~ Jan 2019
Mentoring Counseling Center of Korea University College of Liberal Arts Advisor: Young-gun Ko. Ph.D.	

- Conducted and interpreted 100+ cases of psychological assessments – they include MMPI, the Rorschach Inkblot Test, Defense Mechanism Interview, Career Aptitude Assessment.
- Conducted 10+ cases of individual and group counseling – Positive psychology-based program (Mental-Fitness Program)
- Performed psychological experiments
  - Built online and offline experiments using Python and PsychoPy (powered by Pavlovia.org for online experiments)
  - Produced dynamic facial stimuli from standardized facial stimuli set via face morphing method using open source Computer Vision Library (OpenCV)
- Managed a government-funded project (the CORE Project)

## PROFESSIONAL SKILLS

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### Programming Languages & Statistical Software

R, Python, SQL, Linux, Git, JavaScript, HTML, Markdown, Tableau, Power BI, Latex, Matlab, M-Plus, etc.

### Statistical Analyses

Multilevel Models, Structural Equation Models, Generalized Regression Models, Bayesian Analyses, Actor-Partner Independence Models (APIM), Social Network Analyses, Diversity Analyses, Growth Curve Models, Experience Sample Method (SEM), etc.

### Machine Learning

Regression Based Models, Tree Based Models, Image Processing, Natural Language Processing, Dimension Reduction Algorithms, etc.

### Psychological Assessment (Proficient in implementing & interpretation)

Rorschach Inkblot Test, Korean Wechsler Adult Intelligence Scale-IV, Defense Mechanism Interview, Wisconsin Card Sorting Test, the House-Tree-Person Test (HTP), MMPI-2, Sentence Completion Test (SCT), etc.

### Language Proficiency

English (fluent), Japanese (intermediate), Korean (native)

## REFERENCES

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### Young-gun Ko, Ph.D.

Professor  
Department of Psychology  
Korea University

Phone: +82-2-3290-2863

E-mail: elip@korea.ac.kr

Address: 145 Anam-ro, Seongbuk-Gu, Seoul, South Korea, 02841

### Gyu-Tae, Kim, Ph.D.

Professor  
School of Electrical Engineering  
Korea University

Phone: +82-2-3290-3250

E-mail: gtkim@korea.ac.kr

Address: 145 Anam-ro, Seongbuk-Gu, Seoul, South Korea, 02841

### Hackjin Kim, Ph.D.

Professor  
Department of Psychology  
Korea University

Phone: +82-2-3290-2864

E-mail: hackjinkim@korea.ac.kr

Address: 145 Anam-ro, Seongbuk-Gu, Seoul, South Korea, 02841