Kibum Moon

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RESEARCH INTEREST

Measurements, data psychology, emotions, interpersonal relationships, self-image, positive psychology

EDUCATION

Korea University   Sep. 2015 – Feb. 2018
  M.A. in Clinical and Counseling Psychology   Seoul, Korea
  Thesis title: The Effect of Implicit Attitude Toward a Partner on Relationship
          Satisfaction and Relational Conflict
  Advisor: Young-gun Ko, Ph.D.
  Cumulative GPA: 4.0 / 4.0

Korea University   Mar. 2009 – Feb. 2015
  B.A. in Psychology   Seoul, Korea
  B.A. in Science Technology Studies (double major)
  Cumulative GPA: 3.91 / 4.0

University of New South Wales   Feb. 2014 – June 2014
  Exchange student in the School of Psychology   Sydney, Australia

PUBLICATIONS

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

2. Kim, S., **Moon, Kibum**, Kim, J., & Ko, Y. (2020). The Relationship Between Borderline Personality Features and Affective Responses to Altering Emotional Context. *Current Psychology*. doi: 10.1007/s12144-020-01077-5

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

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

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

1. **Moon, Kibum,** Kim, S., Kim, J., Kim, H., & Ko, Y. (*in preparation*). The Portrait of Self-image: The Relationship Between Mental Representations 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. (*under review at The Journal of the Korea Contents Association*). 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 3rd 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 30th 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 32nd 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

Fulbright Scholarship Candidate	Sep. 2020
The Korean-American Educational Commission (KAEC)	
Alternate candidate for a 2021 Fulbright graduate student program award	
Full tuition and stipend for 2 years (up to $80,000)	
Research Assistance Scholarship	Fall 2015
Department of Psychology, Korea University	– Spring 2017
Full tuition for 4 semesters ($23,600)	
KU Alumni Scholarships	Spring 2014
The Alumni Association, Korea University	
Full tuition ($4,200)	
Choonpha Hwangchungha Scholarships	Fall 2013
The Choonpha Hwangchungha Scholarship Foundation	
Full tuition ($4,200)	
Sung Ryun Scholarships	Spring 2013
The Sung Ryun Scholarship Foundation	
Full tuition ($4,200)	
Study Scholarships	Fall 2012, 2014
Korea University	
Awarded for high GPA ($1,000 / $1,100)	
The Welfare Section Scholarships	Spring 2010
Korea University	
Awarded for volunteer activity ($1000)	
Honors Scholarships	Spring 2009
Department of Psychology, Korea University	
Students in the top 1% GPA percentile in the department	
35% of tuition ($1250)	

ACADEMIC HONORS & AWARDS

Participation Award in AI Hub Data Utilization Idea Competition	Nov. 2019
National Information Society Agency (NIA)	
Best Oral Presentation Award	April 2016
Korean Clinical Psychology Association (KCPA)	
Semester High Honors	Fall 2014
Department of Psychology, Korea University	– Fall 2009
Students with GPA of over 4.0 for 5 semesters	

WORK & RESEARCH EXPERIENCE

Data Scientist — Oct. 2019 – Present

Data Hub Team, Office of Digital Information, Korea University
Advisor: Gyu-Tae Kim. Ph.D.

- Developed AI-based models that provide personalized recommendations on course/major selection – the first case among universities in South Korea
- Developed an automatic assessment model to monitor students' psychological adaptation using LMS log data
- Contributed to Korea University's rise in the QS World University Rankings (83rd to 69th) by proposing a strategy based on analysis of reputation data
- Conducted optimal balance analyses to support college policy decision-making – improving course enrollment policy and calculating the optimal admission ratio of foreign students
- Hosted R programming and advanced statistics workshops for administrative officers

Clinical Researcher — Feb. 2019 – Sep. 2019

Student Counseling Center, Korea University
Advisor: Young-gun Ko. Ph.D.

- Built an online system to conduct psychological assessments and provide personalized interpretations
  Demo (Korean)
- Provided positive psychology intervention for high school and college students – created a dashboard application for teachers to inspect social networks within the classroom visually
  Demo
- Developed and validated a novel psychological assessment to visualize mental representation of self-image through the reverse correlation method
- Hosted R programming workshops for psychological researchers and counselors

Post-Master Research Associate — 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 – including 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 sets via face morphing method using open source Computer Vision Library

(OpenCV)
- Managed a government-funded project (the CORE Project)

PROESSIONAL SKILLS

Programming Languages & Statistical Software
R, Python, SQL, JavaScript, HTML, Markdown, Gephi, Tableau, Power BI, Latex, Matlab, M-Plus, Git, 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)

Machine Learning
Regression based models, tree-based models, image processing, natural language processing, dimension reduction algorithms, keyword extraction, etc.

Deep Learning
BERT, CNN, 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)

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

ADDITIONAL

- Participated for three years as a mentor in the Unity of Mind Analysts (UMA), an undergraduate research association funded by the Korean Psychological Association
- Active member of the Korea University Buddy Assistant (KUBA) – helped two exchange students adjust to Korean culture and campus life
- Active member of the Student Welfare Committee (KU-Well) – organized student welfare programs
- Enthusiastic scuba diver; dived in Iceland, Great Barrier Reef, Fiji, and the Philippines.
- Vice president of the student association of the Seoul Foreign Language High School, and president of break dance team (WACK)

REFERENCES

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