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Education

Ph. D. in Behavioral Science	Mar. 2000.
Hokkaido University	
Dissertation title: <i>A Study of dynamic shift in hypothesis testing.</i>	
M.A. in Behavioral Science	Mar. 1996.
Hokkaido University	
B.A. in Behavioral Science	Mar. 1994.
Hokkaido University	

Working Experiences

Apr. 2000 – Mar. 2002	Part-time Lecturer (Faculty of Letters, Hokkaido University and other universities)
Apr. 2002 – Mar. 2012	Assistant Professor, Dept. of Psychology, Hokkaido University
Apr. 2012 – Mar. 2015	Assistant Professor, Dept. of Psychology for Well-Being, Hokusei Gakuen University
Apr. 2015 – Mar. 2020	Associate Professor, Dept. of Psychology for Well-Being, Hokusei Gakuen University
Apr. 2018 – Mar. 2019	Visiting Scholar, Dept. of Psychology, University of Waterloo (CANADA)
Apr. 2020 – present	Professor, Dept. of Psychology for Well-Being, Hokusei Gakuen University

Subjects Taught

- Introduction to Psychological Experiments (undergraduate, 2000 – 2014)
- Psychological Research Methods (undergraduate, 2010 – 2012)
- Introduction to Psychological Statistics (undergraduate, 2012 – present)
- Psychological Statistics (undergraduate, 2013 – 2019)
- Multivariate Analysis (undergraduate, 2020 – present)
- Psychological Experiment (undergraduate, 2012 – present)
- Cognitive Psychology (undergraduate, 2012 – present)
- Psychology of Human Relationship and Communication (undergraduate, 2013 – 2021)
- Introduction to Psychology (undergraduate, 2019)
- Science of Reasoning, Judgment, and Decision Making (undergraduate, 2021 – present)
- Psychological Statistics [Advanced] (graduate, 2015 – 2020)

Psychological Research Methods [Advanced] (graduate, 2023 – present)

Cognitive Psychology [Advanced] (graduate, 2016 – present)

Research Interest

Cognitive {Psychology, Science} of reasoning, thinking and social cognition, online study conduct

Keywords: hypothesis testing, epistemically suspect beliefs (e.g. paranormal, pseudoscience, and religion), thinking styles, intuition, rationality, moral reasoning, individual and cultural difference, online experiment, crowdsourcing

Awards

1. **Distinguished Presentation Awards**, Hokkaido Psychological Society, 2011.
2. **JSCP Distinguished Presentation Awards (Technology Evaluation Division)**, the Japanese Society for Cognitive Psychology, 2017.

Peer Reviewed Articles

1. Majima, Y. & Nakamura, H. (2022). Be careful not to overload study tasks—Mobile devices and multiple presentation formats may compromise data quality of studies online. *The Japanese Journal of Psychonomic Science*, 40(2), 147-156. (In Japanese with English abstract)
<https://doi.org/10.14947/psychono.40.24>
2. Majima, Y., Walker, A. C., Turpin, M. H., & Fugelsang, J. A. (2022). Culture as a Moderator of Epistemically Suspect Beliefs. *Frontiers in Psychology*, 13:745580.
<https://doi.org/10.3389/fpsyg.2022.745580>
3. Majima, Y. & Nakamura, H. (2020). Development of the Japanese Version of the Generic Conspiracist Beliefs Scale (GCBS-J). *Japanese Psychological Research*, 62, 254-267.
<https://doi.org/10.1111/jpr.12267>
4. Altay, S., Majima, Y., & Mercier, H. (2020). It's my idea! Reputation management and idea appropriation. *Evolution and Human Behavior*, 41, 235-243. <https://doi.org/10.1016/j.evolhumbehav.2020.03.004>
5. Mercier, H., Dockendorff, M., Majima, Y., Hacquin, A-S., Schwartzberg, M. (2020). Intuitions about the epistemic virtues of majority voting. *Thinking & Reasoning*, 27, 445-463.
<https://doi.org/10.1080/13546783.2020.1857306>
6. Bialek, M., Bergelt, M., Majima, Y., & Koehler, D. K. (2019). Cognitive reflection but not reinforcement sensitivity is consistently associated with delay discounting of gains and losses. *Journal of Neuroscience, Psychology, and Economics*, 12, 169-183.
7. Nakamura, H. & Majima, Y. (2019). Comparing the performance of cognitive tasks between Japanese crowd workers in a web-based experiment and university students in a lab-based experiment. *The Japanese Journal of Psychonomic Science*, 38(1), 33-43. (In Japanese with English abstract)
<https://doi.org/10.14947/psychono.38.10>
8. Majima, Y. (2019). Why do you believe in pseudoscience or disbelieve in science? In Yama, H. & Salvano-Pardieu, D. (Eds.) *Adapting Human Thinking and Moral Reasoning in Contemporary Society*. pp. 116-131, Hershey, PA: IGI Global. <https://doi.org/10.4018/978-1-7998-1811-3.ch005w>
9. Mercier, H., Majima, Y., Claidière, N., & Léone, J. (2019). Obstacles to the spread of counter-intuitive

- beliefs. *Evolutionary Human Sciences*, 1, E10. <https://doi.org/10.1017/ehs.2019.10>
10. Majima, Y. (2019). Reasoning. *Advances in Child Psychology*, 58, 75-99. Tokyo: Kaneko Shobou. (In Japanese)
 11. Mercier, H., Majima, Y., & Milton, H. (2018) Willingness to transmit and the spread of pseudoscientific beliefs. *Applied Cognitive Psychology*, 32, 499–505. <https://doi.org/10.1002/acp.3413>
 12. Majima, Y. (2017). The Feasibility of a Japanese Crowdsourcing Service for Experimental Research in Psychology. *SAGE Open*, 7(1). <https://doi.org/10.1177/2158244017698731>
 13. Majima, Y., Nishiyama, K., Nishihara, A., & Hata, R. (2017). Conducting Online Behavior Research Using Crowdsourcing Services in Japan. *Frontiers in Psychology*, 8:378. doi: 10.3389/fpsyg.2017.00378
 14. Majima, Y. (2015). Belief in Pseudoscience, Cognitive Style and Science Literacy. *Applied Cognitive Psychology*, 29, 552-559. <https://doi.org/10.1002/acp.3136>
 15. Nishihara, S., Imai, F., Fujiki, A., & Majima, Y. (2015). Interaction between Mental Rotation and Manual Rotation with and without Motor Planning. *Psychology*, 6, 1086-1095. <https://doi.org/10.4236/psych.2015.69106>
 16. Majima, Y. (2012). Effects of Thinking Disposition, Science Literacy, and Educational Backgrounds on Beliefs in the Paranormal and Pseudoscience. *Hokkaido Psychological Research*, 34, 1-91. (In Japanese with English abstract)
 17. Majima, Y. (2012). The Role of Critical Thinking in Acquisition of Science Literacy and "Subjective Demarcation" between Science and Pseudoscience. *Cognitive Studies*, 19, 22-38. (In Japanese with English abstract)
 18. Majima, Y. (2008). Selection of test cases within hypothesis testing. *The Japanese Journal of Cognitive Psychology*, 6, 57-63. (in Japanese with English abstract)
 19. Majima, Y., & Takigawa, T. (2002). Hypothesis Testing Processes in the Reception Strategy Task and Hypothesis Evaluation Task. *The Japanese Journal of Psychology*, 73, 42-50. (in Japanese with English abstract)

Non-Peer Reviewed Articles (Selected)

20. Majima, Y. (2021). Conducting online psychological experiments using crowdsourcing. *The Journal of the Institute of Image Information and Television Engineers*, 75, 480-484. (In Japanese. Invited Paper)
21. Majima, Y., Nagai, A., Ishikawa, S., Fujiki, A., & Matura, T. (2021). Development of a User's Guide of Open-source Statistical Software 'jamovi' and Its Implementation in the Course of Statistics and Experimental Method. *Hokusei Review*, 58, 213-222. (In Japanese with English abstract)
22. Majima, Y., Nagai, A., Ishikawa, S., Fujiki, A., & Matura, T. (2020). Introducing 'jamovi' as a tool for education in statistics. *Hokusei Review*, 57, 111-129. (In Japanese with English abstract)
23. Majima, Y. (2019). Should I, as a cognitive scientist, use crowdsourcing in my research? *Cognitive Studies*, 26, 272-281. (In Japanese with English abstract. Invited paper)
24. Majima, Y. (2018). Dear researchers who are curious about using crowdsourcing. *Psychology World*, 82, 21-22. Tokyo: Japanese Psychological Association. (In Japanese. Invited article)
25. Majima, Y. (2015). Similarity, Complementarity and Interrelationship between Theories of Two Modes of Mindset. *Hokusei Review*, 52, 11-27. (In Japanese with English abstract)

26. Majima, Y. (2015). Recent Trends in Behavioral Research Methods: Cooperative Use of Crowdsourcing Services and Web based Survey Platforms. *Hokusei Review*, 52, 29-40. (In Japanese with English abstract)

In Preparation

1. Majima, Y. (2022). *Validity and factor structure of the Japanese Conspiracy Mentality Questionnaire*.

Conference Presentation (Selected)

1. Majima, Y., Fujita, S., Miyazawa, R., Sasaki, A., & Yokoyama, R. (2022). Does belief in superficially contradictory conspiracy theories stem from a general core belief? Paper presented at the 19th Annual Conference of the Japanese Society for Cognitive Psychology. Mar. 2022. Online.
2. Majima, Y., Nakamura, H. (2021). *Do mobile device and matrix presentation format spoil quality of data in online survey?* Paper presented at the 18th Annual Conference of the Japanese Society for Cognitive Psychology. Mar. 2021. Online.
3. Majima, Y. (2019). *Cultural difference of the effect of analytical / intuitive thinking style on reasoning, JDM, and belief tasks*. Poster presentation at the CogSci2019, July 2019. Palais des Congrès de Montréal, Montréal, Quebec, CANADA.
4. Majima, Y. & Nakamura, H. (2019). *On the universality of the association between cognitive reflection test and intuitive and biased responses*. Paper presented at the 17th Annual Conference of the Japanese Society for Cognitive Psychology. May 2019. Kyoto Terra, Kyoto, JAPAN.
5. Majima, Y. (2018). *Belief bias among believers of the paranormal and the pseudoscience*. Poster presentation at CogSci2018, July 2018. Hilton Madison Monona Terrace, Madison, WI.
6. Majima, Y. (2018). *On the reasoning based on empirically suspect beliefs and its cultural difference*. Chair and oral presentation at the 16th Annual Conference of the Japanese Society for Cognitive Psychology. September 2018. Ritsumeikan University, Osaka, JAPAN.
7. Majima, Y., Nakamura, H. (2018). *Not all of empirically suspect beliefs can be Intensified by mind perception*. Poster presentation at Psychonomic 2018, November 2018. Hyatt Regency New Orleans, New Orleans, LA.
8. Majima, Y. (2017). *Intuitive cognitive style, but not analytic style, strengthens the empirically suspect everyday beliefs*. Chair and oral presentation at the 15th Annual Conference of the Japanese Society for Cognitive Psychology. June 2017. Keio University, Tokyo, JAPAN.
9. Majima, Y. (2017). *Epistemically Suspect Beliefs can be partly explained by individual's propensity towards contradiction*. Poster presentation at CogSci2017. July 2017. Hilton London Metropole, London, UK.
10. Majima, Y. (2017). *Does empirically suspect belief facilitate belief bias in conflicting syllogisms?* Poster presentation at the 81st Annual Meeting of the Japanese Psychological Society. September 2017. Kurume City Plaza, Kurume, JAPAN.
11. Majima, Y. (2017). *Do beliefs in paranormal and pseudoscience bolster belief bias in syllogistic reasoning?* Poster presentation at 58th Annual Meeting of the Psychonomic Society. November 2017. Vancouver Convention Center, Vancouver, BC, CANADA.

12. Majima, Y. (2016). *Science literacy, cognitive style and belief in the pseudoscience*. Symposium (invited speaker). The 33rd Annual Conference of Japanese Cognitive Science Society. September 2016. Hokkaido University, Sapporo, Japan.
13. Majima, Y. (2016). *Cultural difference in a relationship between cognitive style and weird beliefs*. Poster presentation at the International Conference on Thinking 2016. August 2016. Brown University, Providence, RI.
14. Majima, Y. (2016). *Intuitive-analytical thinking styles predict belief in paranormal and non-paranormal pseudoscience*. Symposium, speaker. The 31st International Congress of Psychology (ICP2016). July 2016. Pacifico Yokohama, Yokohama, Japan.
15. Majima, Y. (2016). *The viability of online experimental platform as a tool for cognitive studies*. Poster presentation at the 14th Annual Conference of The Japanese Society for Cognitive Psychology. June 2016. Hiroshima University, Higashi Hiroshima, Japan.

Research Grants (current)

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| Oct. 2021 – present | Japan Society for Promotion of Science Fund for the Promotion of Joint International Research (Fostering Joint International Research (B)),
<i>Religious moral reasoning in the frame of dual process approach: Cultural differences in religious moral reasoning and thinking style</i> . (18,980,000 JPY, Research contributor, PI: Hiroshi Yama) |
| Apr. 2019 – present | Japan Society for Promotion of Science Grants-in-Aid for Scientific Research (C),
<i>Fake News: Who believes it, who spreads it?</i> (3,400,000 JPY) |

Past Grants as Principal Investigator

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| Jun. 2019 – Mar. 2021 | Special Group Research Grant from Hokusei Gakuen University (Year 2019), The development of teaching materials of statistics for social sciences across multiple disciplines. (300,000 JPY) |
| Apr. 2015 – Mar. 2019 | Japan Society for Promotion of Science Grants-in-Aid for Scientific Research (C),
<i>On the relationship between perceptual and cultural mindsets</i> . (3,300,000 JPY) |
| Jun. 2015 – Mar. 2016 | Special Group Research Grant from Hokusei Gakuen University (Year 2015), <i>The viability of crowdsourcing sample as a participant pool for empirical studies in social science</i> . (475,000 JPY) |
| Apr. 2012 – Mar. 2014 | Japan Society for Promotion of Science Grants-in-Aid for Scientific Research (C),
<i>The role of science literacy, thinking dispositions and skills on judging “validity” of pseudoscientific claims</i> . (3,300,000 JPY) |
| Apr. 2009 – Mar. 2010 | Japan Society for Promotion of Science Grant-in-Aid for Young Scientists (B), <i>A psychological study on the process of acquisition and persistence of pseudoscientific beliefs</i> . (1,950,000 JPY) |
| Apr. 2005 – Mar. 2007 | Japan Society for Promotion of Science Grant-in-Aid for Young Scientists (B), <i>A study on individual difference in the emergence of cognitive biases and developing an educational game toward debiasing</i> . (3,400,000 JPY) |

Professional Memberships

Cognitive Science Society

Psychonomic Society

Society for Judgment and Decision Making

Japanese Psychological Association

Japanese Cognitive Science Society

Apr. 2019 – present, Editorial Committee

Jan. 2021 – present, Governing Board

Japanese Society for Cognitive Psychology

Apr. 2017 – Mar. 2021, Administrative Secretary, Editorial Committee

Japanese Society of Social Psychology

Hokkaido Psychological Society

Nov. 2005 – Oct. 2007, Auditor (internal); Oct. 2008 – Mar. 2011, Administrative Secretary, Academic Board.

Oct. 2021 – present, Governing Board