Ke Zhang

Centre for Gambling Research Phone: +1 778 885 6912

Department of Psychology Email: kezhang0904@gmail.com

University of British Columbia Homepage: https://kezhang.ca

Vancouver, Canada LinkedIn: www.linkedin.com/in/KeZhang0904

www.linkedin.com/in /KeZhang0904

Research Interests

Behavioural Economics, Gambling, Financial Health, Cognitive Behavioural Intervention, Data Science

Education

Sep 2018 – May 2023 PhD in Cognitive Psychology, UBC

Thesis: Chasing in online gambling and its practical application in gambling intervention

Supervisor: Dr. Luke Clark

Committee: Dr. Jiaying Zhao, Dr. Jason Rights

Sep 2016 – Aug 2018 MA in Cognitive Psychology, UBC

Thesis: The severity of gambling problem and loss aversion in healthy gamblers: the implications of Prospect Theory in Gambling

Supervisor: Dr. Luke Clark

Sep 2011 – Apr 2016 BAs in Economics and Psychology, UBC

Thesis: The effectiveness of water supply and sanitation in child diarrhea

Supervisor: Dr. Nisha Malhotra

Publications

Zhang, K., Imas, A., & Clark, L. (2023, August 31). A clean slate: adapting the realization effect to online gambling and its effectiveness in people with gambling problems [Under review]. Retrieved from. https://doi.org/10.31219/osf.io/m9kpe

Zhang, K., Rights, J., Deng, X., Lesch, T., & Clark, L. (2023, August 18). Within-session chasing of losses and wins in an online eCasino [Manuscript submitted for publication]. Retrieved from https://doi.org/10.31219/osf.io/cf7ba

Zhang, K., Rights, J., Deng, X., Lesch, T., & Clark, L. (2023, May 24). Between-session chasing of losses and wins in an online eCasino [Under review]. Retrieved from osf.io/v87yk (PDF)

Sidloski, B., Brooks, G., Zhang, K., & Clark, L. (2022). Exploring the association between loot boxes and problem gambling: are video gamers referring to loot boxes when they complete gambling screening tools?. *Addictive Behaviors*, 107318. <https://doi.org/10.1016/j.addbeh.2022.107318>

Limbrick-Oldfield, E. H., Chua, C., Cringle, N., MacDonald, K., Ferrari, M. A., Zhang, K., & Clark, L. (2022). Cashless gambling and the pain of paying: effects of monetary format on slot machine gambling. *Addiction Research & Theory*, *30*(3), 220-230. <https://doi.org/10.1080/16066359.2021.2009465>

Zhang K., Clark L. (2020). Loss-chasing in gambling behaviour: neurocognitive and behavioural economic perspectives Current Opinion in Behavioral Sciences, 31, 1-7. <https://doi.org/10.1016/j.cobeha.2019.10.006>

Zhang, K., Szanto, K., Clark, L., & Dombrovski, A. Y. (2019). Behavioral empathy failures and suicidal behavior. Behaviour research and therapy, 120, 103329. <https://doi.org/10.1016/j.brat.2018.10.019>

Conference Presentations

Zhang, K. (2022, November). *An online gambling intervention using the realization effect*. Talk at Lisbon Addictions.

Zhang, K. (2022, June). *Between session loss chasing in the digital world*. Talk at DMCBH Research Retreat.

Zhang, K. (2022, March). *An online gambling intervention using the realization effect*. Poster presented at New Horizons in Responsible Gambling Conference, Online.

Zhang, K. (2022, February). *An online gambling intervention using the realization effect*. Poster presented at The Society for Judgment and Decision Making, Online.

Zhang, K. (2021, November). *The realization effect is fragile in gamblers*. Poster presented at BIG Difference BC 2021, Vancouver, BC, Canada.

Zhang, K. (2021, March). *Expressions of Chasing in the eCasino - BCLC PlayNow Data*. Talk presented at New Horizons in Responsible Gambling Conference, Vancouver, BC, Canada.

Zhang, K. (2020, April). I planned to speak at the 2020 Discovery (Responsible Gambling Council) Conference, however, it is canceled due to COVID-19.

Zhang, K. (2018, February). *The effect of presentation of feedbacks on loss aversion in risky decisions.* Poster presented at New Horizons in Responsible Gambling Conference, Vancouver, BC, Canada

Zhang, K. (2017, November). *The effect of presentation of feedbacks on loss aversion in risky decisions.* Poster presented at The Society for Judgment and Decision Making Conference, Vancouver, BC.

Zhang, K. (2017, October). *The effect of outcome delivery presentation on loss aversion in risky decisions*. Poster presented at 18th Annual NCRG Conference on Gambling and Addiction, Las Vegas, NV.

Zhang, K. (2017). *Loss Aversion in Gambling Disorder: a Systematic Review*. Poster presented at New Horizons in Responsible Gambling Conference, Vancouver, BC, Canada.

Zhang, K. (2013). *Priming effect on perception of attractiveness*. Poster presented at 17th Annual Psychology Undergraduate Statistics Conference, Vancouver, BC, Canada.

Research Experience

Sep 2016 – May 2023 Graduate Student Researcher in Centre for Gambling Research

Department of Psychology, UBC

Mar 2018 – Aug 2018 Research Assistant for Dr. Katalin Szanto & Dr. Alexandre Dombrovski

Department of Psychiatry, University of Pittsburgh

Sep 2015 – Apr 2016 Research Assistant for Dr. Lawrence Ward & Dr. Ilan Vertinsky

Department of Psychology & Sauder Business School, UBC

July 2013 – Feb 2016 Research Assistant in Brain, Attention, & Research Lab, UBC

Department of Psychology, UBC

July 2013 – Apr 2015 Research Assistant in Cognitive Neuroscience of Schizophrenia Lab

Department of Psychiatry, UBC

Professional Experience

Aug 2022 – Present **Consultant**, Responsible Gambling Council, Toronto

May 2021 – Oct 2022 **Data Scientist**, Data Science Institution, UBC

[Creating user-friendly access to property-based information in BC](https://dsi.ubc.ca/data-science-social-good)

Jan 2021 – May 2022 **Teaching Fellow**, Department of Psychology, UBC

Course: Analysis of Behavioural and Neuroscientific Data – Introduction to R

**Teaching Assistant**, Department of Psychology, UBC

Jan 2018 – Dec 2020 Course: Cognitive Processes

Sep 2017 – Dec 2017 Course: Introduction to Developmental, Social, Personality, and Clinical Psychology

Jan 2017 – Apr 2017 Course: Introduction to Biological and Cognitive Psychology

Sep 2016 – Dec 2016 Course: Introduction to Biological and Cognitive Psychology

Mar 2018 **Guest Lecturer,** Department of Psychology UBC

Title: Irrational decision-making in Cognitive Processes

Oct 2014 – Apr 2015**Senior Mentor**, UBC Tri-mentoring program

Mentorship Experience

2022 1 Undergraduate research assistants

2020 2 Undergraduate research assistants

2019 1 Undergraduate research assistant

2017 1 Undergraduate research assistant

2014 1 Junior undergraduate fellow student

Community Service

Sep 2019 – May 2023 **Website Editor**, Psychology Graduate Student Council, UBC

Sep 2019 – Dec 2022 **Committee Member**, UBC Wellbeing Committee

Sep 2020 – May 2022 **Organizer**, Departmental Cognitive Area Workshop

Sep 2019 – Nov 2021 **Student Host**, Departmental Colloquium Committee

Jan 2019 – Jan 2020 **Media Coordinator**, Women in Data Vancouver, BC

Dec 2017 – Feb 2018 **Finance**, Graduate student recruitment committee

2016 **Volunteer Organizer** for conference organization, NorthWest Cognition and Memory Conference 2016.

Professional Training

Sep 2017 Instructional Skills Workshop

July 2013 Tri-Council Policy Statement: Ethical Conduct for Research

Scholarship and Awards

July 2023 Dr. Durand Jacobs Dissertation Award, The National Council on Problem Gambling (NCPG)

Sep 2021 – Apr 2023 President's Academic Excellence Initiative PhD Award

Sep 2016 – Apr 2023 International Tuition Award

Sep 2016 – Apr 2022 Faculty of Arts Graduate Award

Sep 2021 – Apr 2022 Graduate Fellowship in Gambling Research

Sep 2011 President’s Entrance Scholarship

Professional Associations

National Council on Problem Gambling

Society of Judgement and Decision-making

Psi Chi The International Honor Society in Psychology

Skills

**Programming**: Python, R, SQL, SPSS, STATA, HTML

**Research methods**: Experiment design, Focus group, Interviews, Secondary data analysis

**Data analysis**: Regressions, Classification, Statistics, GIS, Machine Learning, ANOVA, t-test, MLM

**Data visualization**: ggplot2, Plotly, Matplotlib, Folium, Adobe Illustrator

**Survey tools**: Qualtrics, Amazon MTurk, Prolific

**Other tools**: Azure, Git, GitHub, GitLab, Bash, Excel