Updated: August 2025

Denitza Dramkin, PhD

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EDUCATION

Doctor of Philosophy | Psychology | University of British Columbia

2018 - 2023

Advisor: Dr. Darko Odic

Dissertation: "Mechanisms underlying the interface between number words and perceptual magnitudes"

Committee: Drs. Janet F. Werker & James T. Enns

Master of Arts | Psychology | University of British Columbia

2016 - 2018

Advisor: Dr. Darko Odic

Dissertation: "Exploring the interface between number words and perceptual magnitudes"

Committee: Drs. Janet F. Werker & D. Geoffrey Hall

Bachelor of Science (Honours) | Psychology | University of Houston

2018 - 2023

Minor: Medicine & Society

Advisor: Drs. Hanako Yoshida & Crystal D. Tran

Dissertation: "Parental influences on disambiguation: Examining book-reading and eye-tracking data"

WORK EXPERIENCE

Senior User Researcher Sprung Studios Ltd. Vancouver, B.C.	03/2023 - Current
User Researcher Sprung Studios Ltd. Vancouver, B.C.	09/2023 - 03/2024
Associate User Researcher Sprung Studios Ltd. Vancouver, B.C.	06/2023 - 09/2023
EDI Consultant Department of Psychology University of British Columbia Vancouver, B.C.	04/2022 - 08/2023
Project Analyst Integrated Solution Services, Inc. North Vancouver, B.C.	04/2020 - 08/2021
UX Consultant After Hours Games Vancouver, B.C.	03/2020 - Current
Technical Specialist Apple Houston, TX, USA	05/2012 - 08/2016

ACADEMIC RESEARCH EXPERIENCE

Research Consultant Centre for Cognitive Development Vancouver, B.C.	2024 - Current
Graduate Student Researcher University of British Columbia Vancouver, B.C.	2016 - 2023
Project Coordinator, Senior Research Assistant Cognitive Development Laboratory Houston, TX, USA	2015 - 2016
Research Assistant Cognitive Development Laboratory Houston, TX, USA	2014 - 2015

AWARDS AND FUNDING

Killam Graduate Teaching Award Nominated	2023
President's Academic Excellence Initiative Award \$475 CAD	2023
President's Academic Excellence Initiative Award \$1080 CAD	2022
International Tuition Award \$3200 CAD	2022
President's Academic Excellence Initiative Award \$1030 CAD	2021
International Tuition Award \$3200 CAD	2021
President's Academic Excellence Initiative Award \$652 CAD	2020
International Tuition Award \$3200 CAD	2020
President's Academic Excellence Initiative Award \$330 CAD	2020
Student Bursary \$500 CAD	2020
International Tuition Award \$3200 CAD	2019
Four Year Doctoral Fellowship (4YF) ~\$107200 CAD	2018
International Tuition Award \$3200 CAD	2018

Walter C. Koerner Fellowship \$3500 CAD	2017
Ann & William Messenger Graduate Fellowship \$12500 CAD	2017
Faculty of Arts Graduate Merit Award \$1500 CAD	2017
International Tuition Award \$3200 CAD	2017
Faculty of Arts Graduate Entrance Fellowship \$17500 CAD	2016
International Tuition Award \$3200 CAD	2016
Summa Cum Laude 4.0/4.0 GPA Highest Distinction Award	2015
University Highest Honors in Major & in Minor	2015
Outstanding Thesis Award Nominated	2015
The Office of the Provost Research Scholarship \$1000 USD	2014
Texas Public Education (Pell) Grant \$2000 USD	2013
Dean's List All Semesters	2012 - 2015
Academic Excellence Scholarship University of Houston \$14000 USD	2012
Metropolitan Merit Scholarship Houston Livestock Show and Rodeo \$16000 USD	2012
Alief ISD Retired Employee Association Scholarship \$250 USD	2012
Bohdi Merit Scholarship \$2500 USD	2012
International Grant for the College of Liberal Arts University of Houston \$1000 USD	2012
Texas Top Ten Percent Scholarship \$2000 USD	2012

PUBLICATIONS

Dramkin, D., & Odic, D. (2025). Children can map precise number words to approximate arithmetic prior to formal instruction. *Developmental Psychology*.

Dramkin, D., & Odic, D. (2024). Children dynamically update and extend the interface between number words and perceptual magnitudes. *Developmental Science*, *27*(2), e13433.

Dramkin, D., Bonn, C. D., Baer, C., & Odic, D. (2022). The malleable impact of non-numeric features in visual number perception. *Acta Psychologica*, *230*, 103737.

Dramkin, D., & Odic, D. (2021). Real models: The limits of behavioural evidence for understanding the ANS. *Behavioral and Brain Sciences*, 44, e186.

Dramkin, D., & Odic, D. (2020). How children interface number words with perceptual magnitudes. In S. Denison, M. Mack, Y. Xu, & B. C. Armstrong (Eds.), *Proceedings of the 42nd Annual Meeting of the Cognitive Science Society* (p. 3295 - 3301). Cognitive Development Society.

Picon, E., **Dramkin, D.**, & Odic, D. (2019). Visual illusions help reveal the primitives of number perception. *Journal of Experimental Psychology: General*, 148(10), 1675.

CONFERENCE PRESENTATIONS

*denotes student mentee

*Choo, A., **Dramkin, D.**, & Odic, D. (2024, March). *Exploring the impact of perception and language on magnitude estimation*. Poster presented at the Multidisciplinary Undergraduate Research Conference (MURC). Vancouver, Canada.

Dramkin, D., & Odic, D. (2022, March). *Children's abilities to perform intuitive multiplicative and divisive computations*. Poster presented at the biannual international Society for Research in Child Development (SRCD) conference. Salt Lake City, USA.

Dramkin, D., & Odic, D. (2022, June). *Linking number words to perceptual magnitudes*. Paper presented at the biannual Mathematical Cognition and Learning Society (MCLS) conference. Antwerp, Belgium.

- **Dramkin, D.**, & Odic, D. (2022, April). *Mechanisms supporting children's estimation in number, length, and area.* Paper presented at the biannual Cognitive Development Society (CDS) conference. Madison, USA
- **Dramkin, D.**, & Odic, D. (2021, April). How children map number words to their perceptual representations. Paper presented at the biannual international Society for international Society for Research in Child Development (SRCD) [virtual] conference. | Talk available online: https://www.youtube.com/watch?v=kQINV5M_q5g
- **Dramkin, D**. (2021, April). Chair & Session Organizer for *Navigating number concepts across development*. Symposium presented at the biannual International Society for Research in Child Development (SRCD) [virtual] conference.
- **Dramkin, D.**, Bonn, C. D., Baer, C., & Odic, D. (Accepted). *The malleable impact of non-numeric features in visual number perception*. Poster accepted to the annual Vision Sciences Society (VSS) conference. St. Pete Beach, USA. [Presentation withdrawn due to COVID-19]
- *Maheshka, C., **Dramkin, D.**, & Odic, D. (2020, May). *The interaction between perception and language: How we reason about quantities*. Paper presented at the annual Multidisciplinary Undergraduate Research Conference (MURC). Vancouver, Canada. | **Best Talk Award (2ND place)**
- *Maheshka, C., **Dramkin, D.**, & Odic, D. (2020, February). *The interaction between perception and language: How we reason about quantities.* Paper presented at the annual Language Sciences Undergraduate Research Conference (LSURC). Vancouver, Canada. | **Best Oral Presentation Award (2ND place)**
- **Dramkin, D.**, Birch, S., Hall, D. G., Werker, J. F., & Odic, D. (2019, October). When cues compete: How toddlers reconcile conflicts between linguistic and social cues. Poster presented at Cognitive Development Society (CDS) biennial international conference. Louisville, USA.
- **Dramkin, D.**, Birch, S., Hall, D. G., Werker, J. F., & Odic, D. (2019, May). When cues compete: How toddlers reconcile conflicts between linguistic and social information. Paper presented at the Language Sciences Initiative Graduate Student and Postdoctoral Fellow Research Day symposium. Vancouver, Canada.
- *Smith, H., **Dramkin, D.**, Birch, S., Hall, D. G., Werker, J. F., & Odic, D. (2019, March). *Cue me! What cues do toddlers prioritize when linguistic and social information conflicts in word learning?* Paper presented at the annual Psychology Undergraduate Research Conference (PURC). Vancouver, Canada. | **Winner of 1 (of 2) Best Talk Awards**
- *Bannister, C., **Dramkin, D.**, & Odic, D. (2019, March). *Reasoning across domains: How children learn to use language to judge number, length, and darkness.* Poster presented at the annual Psychology Undergraduate Research Conference (PURC).. Vancouver, Canada.
- *Bao, V., **Dramkin, D.**, & Odic, D. (2019, March). *Eyeball it: How specific quantifiers can help narrow our attention to number.* Poster presented at the annual Psychology Undergraduate Research Conference (PURC). Vancouver, Canada.
- *Salmon, K., **Dramkin, D.**, & Odic, D. (2019, March). *The power of language: How specific linguistic cues influence children's attention*. Poster presented at the annual Psychology Undergraduate Research Conference (PURC). Vancouver, Canada.
- **Dramkin, D.** & Odic, D. (2019, March). *Exploring the interface between language and children's perception of number, length, and area.* Poster presented at the biennial international Society for Research in Child Development (SRCD) conference. Baltimore, USA.
- *Hymowitz, D., **Dramkin, D.**, & Odic, D. (2019, March). *Specific linguistic cues eliminate perceptual interference during a number estimation task*. Poster presented at the biennial international Society for Research in Child Development conference. Baltimore, USA.

- **Dramkin, D.**, Birch, S., Hall, D. G., Werker, J. F., & Odic, D. (2019, March). *Context matters in word-learning: Exploring toddlers' reliance on social vs. linguistic cues.* Poster presented at the Northwest Social Cognitive Development (NSCD) conference. San Juan Island, USA.
- *Bannister, C., **Dramkin, D.**, & Odic, D. (2019, February). *Learning to estimate across domains: How children learn to use language to reason about number, length, and darkness.* Poster presented at the annual Language Sciences Undergraduate Research Conference. Vancouver, Canada.
- *Salmon, K., **Dramkin, D.**, & Odic, D. (2019, February). *Exploring the power of language: How specific linguistic cues can guide children's attention to number.* Poster presented at the annual Language Sciences Undergraduate Research Conference. Vancouver, Canada.
- *Gappmayr, P., **Dramkin, D.**, Odic, D. (2018, April). *The development of children's estimation abilities across number, length, and area.* Poster presented at the annual Psychology Undergraduate Research Conference (PURC). Vancouver, Canada.
- *Li, T., **Dramkin, D.**, Odc, D. (2018, April). *Modies and tomas and blickets, oh my! Examining number, area, and length estimation*. Poster presented at the annual Psychology Undergraduate Research Conference (PURC). Vancouver, Canada.
- *Smith, H., **Dramkin, D.**, Odic, D. (2018, April). *Quantifying the power of quantifiers: Using specific linguistic cues to eliminate perceptual interference.* Poster presented at the annual Psychology Undergraduate Research Conference (PURC). Vancouver, Canada.
- **Dramkin, D.**, *Smith, H., Odic, D. (2017, October). *Number Stroop-like interference effects can be eliminated by language*. Poster presented at the biennial international Cognitive Development Society conference. Portland, USA.
- **Dramkin, D.**, Wee, S., & Yoshida, H. (2017, April). *Early naming effects during visual search: The role of the development of working memory.* Poster presented at the biennial international Society for Research in Child Development conference. Austin, USA.
- *Romero, V., **Dramkin, D.**, Grzyb, B., & Yoshida, H. (2016, October). *Relevance of analogical reasoning in scale errors.* Poster presented at University of Houston Undergraduate Research Day annual symposium. Houston, USA.
- **Dramkin, D.**, Tran, C. D., Murase, T., & Yoshida, H. (2015, October). *The effects of parents' conversational styles on early disambiguation*. Poster presented at the biennial international Cognitive Development Society conference. Columbus, USA.
- **Dramkin, D.,** Tran, C. D., Murase, T., & Yoshida, H. (2015, October). *The effects of mothers' speech styles on infants' attention to novel words.* Poster presented at University of Houston Undergraduate Research Day annual symposium. Houston, USA.
- **Dramkin, D.**, Tran, C. D., & Yoshida, H. (2014, October). *Cultural implications of parental rating scales and their predictive nature on tasks assessing executive functioning*. Poster presented at University of Houston Undergraduate Research Day annual symposium. Houston, USA.

INVITED TALKS & ORAL PRESENTATIONS

Dramkin, D. (2023, October). *From Psychology to Games User Research*. Talk presented at the University of British Columbia, Department of Psychology, Developmental Area Brownbag.

Dramkin, D. (2022, November). *Intuitive multiplication and division*. Talk presented at the University of British Columbia, Department of Psychology, Developmental Area Brownbag.

Dramkin, D. (2022, July). *Linking language and perception through number words*. Invited talk presented at Rutgers University, Department of Psychology, Cognition and Learning Center (CALC).

Dramkin, D. (2022, June). *Language and perception through mathematics.* Invited talk presented at the University of British Columbia, Language Sciences Talks series.

Dramkin, D. (2022, April). *Mechanisms supporting children's estimation in number, length, and area.* Talk presented at the University of British Columbia, Department of Psychology, Developmental Area Brownbag.

Dramkin, D. (2022, February). *Mapping number words to perceptual magnitudes*. Talk presented at the University of British Columbia & University of California: San Diego, Centre for Cognitive Development & Early Learning and Cognition Lab joint Brownbag.

Dramkin, D. (2022, February). *How children interface number words with perceptual magnitudes.* Talk presented at the University of British Columbia, Department of Psychology, Developmental Area Brownbag.

Dramkin, D. (2021, November). *Influences of non-numeric features on number perception.* Talk presented at the University of British Columbia & Yale University, Centre for Cognitive Development & Cognition and Development Lab joint Brownbag.

Dramkin, D. (2021, June). *Data science and analytics applications*. Talk and instructional workshop held at Integrative Solution Services, Inc. North Vancouver, BC, CA.

Dramkin, D. (2021, June). *Mapping number words to perceptual representations.* Talk presented at the University of British Columbia & New York University, Centre for Cognitive Development & Lab for the Developing Mind joint Brownbag.

Dramkin, D. & Odic, D. (2021, February). *How children map number words to perceptual representations*. Talk presented at the University of British Columbia, Department of Psychology, Developmental Area Brownbag.

Dramkin, D. & Odic, D. (2018, May). *Learning to represent quantity across domains: Examining children's number, length, and area estimation*. Talk presented at the University of British Columbia, Department of Psychology, PsycFest 2018.

Dramkin, D. & Odic, D. (2018, April). *Learning to represent quantity across domains: Examining children's number, length, and area estimation.* Talk presented at the University of British Columbia, Department of Psychology, Developmental Area Brownbag.

Dramkin, D. & Odic, D. (2017, November). *Language: The bridge across domain-specific cognition*. Talk presented at the University of British Columbia, Department of Psychology, Developmental Area Brownbag.

Dramkin, D. & Odic. D. (2017, March). *Quantifiers and our number sense: A case study on the power of language.* Talk presented at the University of British Columbia, Department of Psychology, Developmental Area Brownbag.

Dramkin, D., Grzyb, B., & Yoshida, H. (2016, June). *Scale errors: A new perspective*. Talk presented at the University of Houston, Department of Psychology, Cognitive Developmental Area.

Dramkin, D., Tran, C. D., & Yoshida, H. (2015, April). *Parental influences on disambiguation: Examining book reading and eye-tracking data*. Talk presented at the University of Houston, Department of Psychology, Cognitive Developmental Area.

INTERVIEWS

Nature Reviews Psychology 2024

From the lab to a career in the video game industry. Nature Reviews Psychology, 3(11), 723-724.

Canadian Foundation for Innovation 2019

Thinking quantitatively. (2019, September 6). https://www.innovation.ca/story/thinking-quantitatively

Brain Buzz Podcast 2018

Intuitive Babies. (2018, July 19). https://www.brainbuzzpodcast.com/episodes

TEACHING EXPERIENCE

Guest Lecturer | University of British Columbia | Vancouver, B.C. 11/2022

Topic: "Numerical Cognition"

Course: Infancy

Department: Psychology

Teaching Fellow | University of British Columbia | Vancouver, B.C. 01/2022 - 12/2022

Course: Infancy Department: Psychology

Interim Sessional Lecturer | University of British Columbia | Vancouver, B.C. 09/2021 - 12/2021

Course: Infancy

Department: Psychology

Guest Lecturer | University of British Columbia | Vancouver, B.C. 10/2017

Topic: "Neurobiological components of the brain: A review" Course: Introduction to Biological and Cognitive Psychology

Department: Psychology

Teaching Assistant | University of British Columbia | Vancouver, B.C.

Courses: Introduction to Development, Social, Personality, and Clinical Psychology | Introduction to Biological and Cognitive Psychology | Cognitive Development Contemporary Topics in Social, Developmental, Personality, and Clinical Psychology:

2016 - 2020

09/2014

04/2015 - 05/2015

Sleep and Dreaming | Infancy Department: Psychology

Teaching Assistant | University of Houston | Houston, TX, USA

Course: Honours Cultural Anthropology

Department: Anthropology

Guest Lecturer | University of Houston | Houston, TX, USA 04/2014 & 09/2014

Topic: "Responses to illness: An examination of the factors that influence sympathy and sick role"

Course: Introduction to Anthropology

Department: Anthropology

Guest Lecturer | University of Houston | Houston, TX, USA

Topic: "Developing and applying research methods"

Course: Introduction to Anthropology

Department: Anthropology

Guest Lecturer | University of Houston | Houston, TX, USA 04/2014

Topic: "Music and the mind: The effects of music on mood"

Course: Psychology of Personality

Department: Psychology

Topic: "The impact of stress and trauma: An examination of attachment and resiliency in childhood"

Course: Health Psychology (Honors)

Department: Psychology

EDITING ROLES

Avery, M. (2016). A practical guide to mastering your MBA. (D. Dramkin, Ed). Seattle, USA: Amazon Digital Services LLC.

STUDENT MENTORSHIP & SUPERVISION

Undergraduate Research Assistants | University of British Columbia

Ashley Choo (2023)

Casey Cooper (2022 - 2023)

Matthew Tsui (2022 - 2023)

Mahnoor Faisal (2022 - 2023)

Stephanie Markovic (2022 - 2023)

Kate Rho (2022)

Ahad Zafar (2021 - 2022)

Karin Kermani (2021 - 2022)

Jillian Knaus (2021 - 2022)

Renata Morones (2021 - 2022)

Christina Dicesare (2020 - 2021)

Clara Ng (2020 - 2021)

Emily Borrell (2019 - 2020)

Charul Maheshka (2019 - 2020)

Pavan Tutt (2019 - 2020)

Hillary Smith (2017 - 2020)

Vera Bao (2018 - 2020)

Kelly Salmon (2018 - 2019)

Paris Gappmayr (2017 - 2019)

Hailey Drebot (2017 - 2018)

Tina Le (2017 - 2018)

Summer Internship Research Assistants | University of British Columbia

Kayla Eisenberg (2019)

Laura Murphy (2019)

Deena Hymowitz (2018)

Michelle Indarjit (2017)

Hillary Smith (2017)

Graduate Teaching Assistants | University of British Columbia

Natasha Au (2018 - 2019)

Graeme Betts (2018 - 2019)

Joseph Liang (2018 - 2019)

Joey Manaligod (2018 - 2019)

Mikayla Pachkowski (2018 - 2019)

Brandon Tomm (2018 - 2019)

Methods in Research Students | University of British Columbia

Hillary Smith (2016 - 2017)

COMMUNITY & SERVICE

Representative | Health & Safety Committee | Sprung Studios Ltd.

Member | Culture Committee | Sprung Studios Ltd.

Member | EDI Dialogue and Learning Committee | UBC Department of Psychology

2025 - Current

2023 - Current

2022 - 2023

Moderator Community Town Hall UBC Department of Psychology	2022
Ombudsperson Graduate Student Council UBC Department of Psychology	2021 - 2023
Graduate Student Representative EDI Task Force UBC Department of Psychology	2021
Panelist Breaking Into Research Event UBC Multidisciplinary Undergraduate Research Conference	2021
Representative EDI Working Group Committee UBC Department of Psychology	2021
Mentor Cognitive Science Society Conference	2020
Volunteer Association for the Advancement of Science Family Day	2020
Panelist Getting Into Research Event UBC Psi Chi & Psychology Students Association	2020
Organizer Recruitment Weekend UBC Department of Psychology	2019 - 2021
Representative Engagement Committee UBC Department of Psychology	2019 - 2023
Judge UBC Psychology Undergraduate Research Conference	2019
Area Representative Graduate Student Council UBC Department of Psychology	2018 - 2023
Student Chair Graduate Admissions Committee UBC Department of Psychology	2018 - 2019
Representative Learning & Enhancement Committee UBC Department of Psychology	2019 - 2023
Student Liaison Faculty Search UBC Department of Psychology	2018
Judge UBC Psychology Undergraduate Research Conference	2018
Student Liaison Colloquium Committee UBC Department of Psychology	2017 - 2020
Coordinator Developmental Psychology Brownbag Series UBC Department of Psychology	2017 - 2019
Volunteer Psychonomics Society	2017
Member Graduate Student Recruitment Committee UBC Department of Psychology	2016 - 2019
First Year MA Representative Graduate Student Council UBC Department of Psychology	2016 - 2017
Volunteer Nature Festival	2016
Representative Mental Health Awareness Committee Psi Chi	2015
Representative Historical Committee Psi Chi	2015
Volunteer Coordinator UH Undergraduate Research Day Symposium	2015 & 2014

PROFESSIONAL ORGANIZATIONS

Games User Research (GUR)
International Game Developers Association
Mathematical Cognition and Learning Society
Cognitive Development Society
Society for Research in Child Development
Vision Science Society
The Honor Society of Phi Kappa Phi
Psi Chi International Honor Society in Psychology
National Society for Collegiate Scholars

AD HOC REVIEW

Journal of Experimental Psychology: Learning, Memory, and Cognition Journal of Numerical Cognition

PROGRAMMING & ANALYSIS TOOLS

R | Python | JASP | PsychoPy | MATLAB | SPSS | JavaScript | ABAP (SAP) | XML

VIDEO & EYE-TRACKING

EyeLink | Tobii Pro Studio | OBS | Camtasia | Datavyu | Yarbus

DESIGN

Figma | Adobe Illustrator | Procreate

SKILLS OVERVIEW

Research Planning & Management | Quantitative & Qualitative Research (Mixed-Methods) | Advanced Statistical & Data Analysis | Programming | Design

REFERENCES

Available upon request