

CURRICULUM VITAE

SERJE ROBIDOUX, PHD

CONTACT INFO

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HIGHLIGHTS

EDUCATION AND EMPLOYMENT/CONSULTING	BMATH Honours Statistics; MA, PhD Cognitive Psychology (University of Waterloo) Academic Statistical Consulting - ARC Centre of Excellence in Cognition and its Disorders; School of Psychological Sciences; Centre for Language Science; Macquarie Centre for Reading; Melanoma Institute of Australia; University of Bristol; Australian Centre for the Advancement of Literacy (Australian Catholic University); University of Geneva; University of Groningen; Dyslexia-SPELD Foundation
TEACHING & WORKSHOPS	Workshops on Principal Components and Factor Analysis, Mixed Effects Models, Bayes, Power, and Open Science for academic staff and HDR students. Lecturer for two upper year undergraduate courses at the University of Waterloo with strong evaluations.
STATISTICAL METHODS AND RESEARCH DESIGN	(M)AN(C)OVA, Regression (Linear/Logistic), Mixed Effects Models, Bayesian Analysis, Non-Parametric Analysis, Clustering and Classification, Measurement Theory, Structural Equation Modelling, Longitudinal Analyses, Experimental Designs, Randomized Control Trials, Double-Baseline Intervention studies, Case Series, Latent Profile Analysis, Quantile Regression
STATISTICS SOFTWARE	R, SPSS (AMOS), Matlab, JASP, Stata, MPlus
ACTIVE RESEARCH	36 peer reviewed articles, 796 citations, 40+ conferences
OPEN SCIENCE	Pre-registration; data, materials, and code sharing

Throughout my CV * indicates a primarily statistics contribution.

EDUCATION

2007-2011	PhD Cognitive Psychology, University of Waterloo Advisor: Prof Derek Besner. Thesis: <i>Reading Aloud: Feedback Is Never Necessary</i>
2005-2007	MA Cognitive Psychology, University of Waterloo Advisors: Prof Jennifer A. Stolz & Prof Derek Besner. Thesis: <i>Visual Word Recognition: Evidence for Global and Local Control over Semantic Feedback</i>
1995-2000	BMATH Honours Statistics, Psychology Minor, University of Waterloo

RELEVANT EMPLOYMENT AND AFFILIATIONS

2025-Present	Research Fellow (Statistics), Australian Catholic University Australian Centre for the Advancement of Literacy
2024-2025	Honorary Fellow, Australian Catholic University Australian Centre for the Advancement of Literacy
2021-Present	Statistical Consulting and Data Science Self-Employed Adjunct Fellow, Macquarie University School of Psychological Sciences
2017-2021	Postdoctoral Research Fellow, Macquarie University ARC Centre of Excellence in Cognition and its Disorders/School of Psychological Sciences
2017	Postdoctoral Researcher, University of Waterloo Department of Psychology (Prof Derek Besner)
2011-2016	Postdoctoral Research Fellow, Macquarie University ARC Centre of Excellence in Cognition and its Disorders

TEACHING & SUPERVISION

WORKSHOPS

*Dec 2024	Centre for Language Sciences – Power Analysis
*Dec 2023	Centre for Language Sciences – Principal Components and Factor Analysis
*May 2023	Macquarie University Centre for Reading – Regression and Mixed Effects Modelling
*Dec 2022	Centre for Language Sciences – Regression and Mixed Effects Modelling
*Dec 2021	Centre for Language Sciences – Bayesian Statistics
*Dec 2020	Centre for Language Sciences – Power Analysis
*Nov 2017	CCD Early Career Workshop - Critical Issues in Cognitive Science

INVITED LECTURES

*Mar 2018	Math-Free Bayes: An Introduction, Macquarie University
*Jan 2018	Critical Issues in Statistics, Macquarie University
Apr 2012	Introduction to Psychology of Reading, Macquarie University
*Nov 2011	Logistic Mixed Effects Models, Macquarie University
June 2008	Psychology of Reading, University of Waterloo

* indicates entries where my contributions were primarily statistical in nature.

COURSES

- Winter 2011 Research in Cognition and Perception, University of Waterloo
Evaluation: 4.08/5.00
- Fall 2008 Psychological Processes in Reading, University of Waterloo
Evaluation: 4.50/5.00

SUPERVISION

- 2018-2021 Irene Graafsma, PhD Student, Macquarie University
 Thesis: *Differences and overlap in cognitive processes in programming and natural language learning*
- 2011-2012 Ivana Kihás, Psychology Honours Student, Macquarie University
 Thesis: *Effects of Letter Confusability on Visual Word Recognition In a Masked Priming Lexical-Decision Task*
- 2011-2012 Leonie Wainwright, Psychology Honours Student, Macquarie University
 Thesis: *Specificity of position-coding mechanisms in orthographic processing: Defining the relative importance of stimulus familiarity and complexity*

TEACHING ASSISTANTSHIPS

Throughout my PhD, I tutored for 9 courses, including a second-year course in data analysis, a fourth-year course in measurement theory, and a graduate course in multiple regression.

PUBLICATIONS & CONFERENCES

PUBLICATIONS

- *Galea, C., **Robidoux, S.**, Salins, A. & McArthur, G. M. (2025). Book reading and developmental outcomes in young children: A systematic review with meta analyses. *Frontiers in Language Sciences*. doi: [10.1002/smi.3388](https://doi.org/10.1002/smi.3388) *Open Access*
- *Jones, A., Gandhi, E., O'Grady-Lee, M., Francis, D., **Robidoux, S.**, et al. (2025). The Validity and Reliability of the Reading Anxiety Test (RAT) for Children and Adolescents. *Assessment*. [10.1177/10731911251327480](https://doi.org/10.1177/10731911251327480)
- *Salins, A., McArthur, G., Jones, A., & **Robidoux, S.** (2025). A longitudinal study of reading and mental health development in children with reported ear and hearing difficulties. *Journal of Speech, Language, and Hearing Research*. doi: [10.1044/2024_JSLHR-24-00471](https://doi.org/10.1044/2024_JSLHR-24-00471)
- Robidoux, S.**, Eklund, K., McArthur, G. M., et al. (2025). Reading and emotional-behavioural development in Finnish children: A longitudinal study of associations. *Reading & Writing*. doi: [10.1007/s11145-024-10559-y](https://doi.org/10.1007/s11145-024-10559-y) *Open Access*
- *Galea, C., **Robidoux, S.**, Salins, A. & McArthur, G. M. (2025). The impact of shared book reading on children and families: a study of Dolly Parton's Imagination Library in Tamworth Australia. *Journal of Research in Childhood Education*. doi: [10.1080/02568543.2024.2322731](https://doi.org/10.1080/02568543.2024.2322731) *Open Access*

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PUBLICATIONS (CONT'D)

- *Ko, K., Jones, A., Francis, D., **Robidoux, S.**, & McArthur, G. (2024). Physiological indicators of anxiety in childhood and adolescence: A systematic review and meta-analysis. *Stress and Health*. doi: [10.1002/smi.3388](https://doi.org/10.1002/smi.3388) *Open Access*
- *Svaldi, C., Kohnen, S., **Robidoux, S.**, et al. (2024). Spoken verb learning in children with language disorder. *Journal of Experimental Child Psychology*. doi: [10.1016/j.jecp.2024.105881](https://doi.org/10.1016/j.jecp.2024.105881) *Open Access*
- *McArthur, G., Doust, A., Banales, E., **Robidoux, S.**, & Kohnen, S. (2024). Are comorbidities of poor reading related to elevated anxiety in children? *Annals of Dyslexia*. doi: [10.1007/s11881-023-00292-6](https://doi.org/10.1007/s11881-023-00292-6)
- Graafsma, I. L., **Robidoux, S.**, Nickels, L., et al. (2023). The cognition of programming: Logical reasoning, algebra and vocabulary skills predict programming performance following an introductory computing course. *Journal of Cognitive Psychology*, 1–18. doi: [10.1080/20445911.2023.2166054](https://doi.org/10.1080/20445911.2023.2166054) *Open Access, Shared Data*
- *Francis, D. A., **Robidoux, S.**, Hudson, J. L., & McArthur, G. M. (2022). Are different reading problems associated with different anxiety types?. *Applied Cognitive Psychology*, doi: [10.1002/acp.3970](https://doi.org/10.1002/acp.3970)
- Graafsma, I. L., Marinus, E., **Robidoux, S.**, Nickels, L., & Caruana, N. (2022). No evidence that autistic traits predict programming learning outcomes. *Computers in Human Behavior Reports*, 7, 100215. doi: [10.1016/j.chbr.2022.100215](https://doi.org/10.1016/j.chbr.2022.100215)
- *Colenbrander, D., Kohnen, S., Beyersmann, E., **Robidoux, S.**, et al. (2022). Teaching children to read irregular words: A comparison of three instructional methods. *Scientific Studies of Reading*, doi: [10.1080/10888438.2022.2077653](https://doi.org/10.1080/10888438.2022.2077653)
- *Wang, HC., Nation, K., Gaskell, G., **Robidoux, S.**, et al. (2022). Nap effects on pre-school children's learning of letter-sound mappings. *Child Development*, doi: [10.1111/cdev.13753](https://doi.org/10.1111/cdev.13753)
- *McArthur, G., Badcock, N., Castles, A., & **Robidoux, S.** (2022). Tracking the relations between children's reading and emotional health across time: Evidence from four large longitudinal studies. *Reading Research Quarterly*, 00(00), 1– 31, doi: [10.1002/rrq.426](https://doi.org/10.1002/rrq.426)
- *Hameau, S., Biedermann, B., **Robidoux, S.**, Nickels, L. (2021). Effects of phonological neighbourhood density and frequency in picture naming. *Journal of Memory and Language*, 120, doi: [10.1016/j.jml.2021.104248](https://doi.org/10.1016/j.jml.2021.104248).
- *Schmalz, X., Marinus, E., **Robidoux, S.**, & Castles, A. (2020). Variations in the use of simple and context-sensitive grapheme-phoneme correspondences in English and German developing readers. *Annals of Dyslexia* doi: [10.1007/s11881-019-00189-3](https://doi.org/10.1007/s11881-019-00189-3) *Open Access, Shared Data*
- Robidoux, S.**, & Besner, D. (2018). Reading single words aloud with monocular presentation: the effect of word frequency. *Frontiers in Communication*. doi: [10.3389/fcomm.2018.00016](https://doi.org/10.3389/fcomm.2018.00016) [Corrigendum doi: [10.3389/fcomm.2018.00033](https://doi.org/10.3389/fcomm.2018.00033)]. *Pre-registered, Open Access, Shared Data*

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PUBLICATIONS (CONT'D)

- *Marinus, E., Kezilas, Y., Kohnen, S., **Robidoux, S.**, & Castles, A. (2018). Who are the noisiest neighbors in the hood? Using error analyses to study the acquisition of letter-position processing. *Journal of Experimental Psychology: Learning, Memory, and Cognition*. doi:[10.1037/xlm0000524](https://doi.org/10.1037/xlm0000524) *Shared Data, Pre-Print*
- *Wegener, S., Wang, HC., de Lissa, P., **Robidoux, S.**, et al. (2017). Children reading spoken words: Interactions between vocabulary and orthographic expectancy. *Developmental Science*. doi:[10.1111/desc.12577](https://doi.org/10.1111/desc.12577)
- *Schmalz, X., **Robidoux, S.**, Castles, A., Coltheart, M., & Marinus, E. (2017). German and English bodies: no evidence for cross-linguistic differences in preferred orthographic grain size. *Collabra: Psychology*, 3(1), 5. doi:[10.1525/collabra.72](https://doi.org/10.1525/collabra.72) *Open Access, Shared Data*
- Robidoux, S.**, & Besner, D. (2017). Reading aloud: Discrete stages redux. *Frontiers in Psychology*, 8, 218. doi:[10.3389/fpsyg.2017.00218](https://doi.org/10.3389/fpsyg.2017.00218) *Open Access*
- *Wang, HC., Savage, G., Gaskell, M.G., Paulin, T., **Robidoux, S.**, & Castles, A. (2017) Bedding down new words: Sleep promotes the emergence of lexical competition in visual word recognition, *Psychonomic Bulletin & Review*. doi:[10.3758/s13423-016-1182-7](https://doi.org/10.3758/s13423-016-1182-7)
- *Kezilas, Y., Kohnen, S., McKague, M., **Robidoux, S.**, & Castles, A. (2016). Word and pseudoword superiority effects on letter position processing in developing and skilled readers. *Journal of Experimental Psychology: Human Perception and Performance*, 42(12), 1989-2002. doi:[10.1037/xhp0000273](https://doi.org/10.1037/xhp0000273)
- *Connors, M., **Robidoux, S.**, Langdon, R., & Coltheart, M. (2016). Beliefs about hearing voices. *Consciousness and Cognition*, 43, 89-101. doi:[10.1016/j.concog.2016.05.001](https://doi.org/10.1016/j.concog.2016.05.001)
- Besner, D., Risko, E. F., Stolz, J. A., White, D., Reynolds, M., O'Malley, S., & **Robidoux, S.** (2016). Varieties of attention: Their roles in visual word identification. *Current Directions in Psychological Science*, 25(3), 162-168. doi:[10.1177/0963721416639351](https://doi.org/10.1177/0963721416639351)
- Robidoux, S.**, & Besner, D. (2015). Conflict resolved: On the role of spatial attention in reading and color naming tasks. *Psychonomic Bulletin & Review*, 22(6), 1709-1716. doi:[10.3758/s13423-015-0830-7](https://doi.org/10.3758/s13423-015-0830-7)
- Kinoshita, S., **Robidoux, S.**, Guilbert, D., & Norris, D. (2015). Context-dependent similarity effects in letter recognition. *Psychonomic bulletin & review*, 22(5), 1458-1464. doi:[10.3758/s13423-015-0826-3](https://doi.org/10.3758/s13423-015-0826-3) *Open Access*
- *Schmalz, X., Marinus, E., **Robidoux, S.**, Palethorpe, S., Castles, A., & Coltheart, M. (2014). Quantifying the reliance on different sublexical correspondences in German and English. *Journal of Cognitive Psychology*, 26(8), 831-852. doi:[10.1080/20445911.2014.968161](https://doi.org/10.1080/20445911.2014.968161)
- Kinoshita, S., **Robidoux, S.**, Mills, L., & Norris, D. (2014). Visual similarity effects on masked priming. *Memory & Cognition*, 42(5), 821-833. doi:[10.3758/s13421-013-0388-4](https://doi.org/10.3758/s13421-013-0388-4)
- Robidoux, S.**, Rauwerda, D., & Besner, D. (2014). Basic processes in reading aloud and colour naming: Towards a better understanding of the role of spatial attention. *Quarterly Journal of Experimental Psychology*, 67(5), 979-990. doi:[10.1080/17470218.2013.838686](https://doi.org/10.1080/17470218.2013.838686)

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PUBLICATIONS (CONT'D)

- ***Robidoux, S.**, & Pritchard, S. (2014). Hierarchical clustering analysis of reading aloud data: A new technique for evaluating the performance of computational models. *Frontiers in Psychology*, 5, 267. doi:[10.3389/fpsyg.2014.00267](https://doi.org/10.3389/fpsyg.2014.00267) *Open Access*
- Robidoux, S.**, & Besner, D. (2011). When benefits outweigh costs: Reconsidering "automatic" phonological recoding when reading aloud. *Canadian Journal of Experimental Psychology/Revue canadienne de psychologie expérimentale*, 65(2), 105-108.
- Robidoux, S.**, Stolz, J., & Besner, D. (2010). Visual word recognition: Evidence for global and local control over semantic feedback. *Journal of Experimental Psychology: Human Perception and Performance*, 36(3), 689-703.
- Besner, D., O'Malley, S., & **Robidoux, S.** (2010). On the joint effects of stimulus quality, regularity, and lexicality when reading aloud: New findings and new theoretical challenges. *Journal of Experimental Psychology: Learning, Memory, & Cognition*, 36(3), 750-764.
- Ferguson, R., **Robidoux, S.**, & Besner, D. (2009). Reading aloud: Evidence for contextual control over lexical access. *Journal of Experimental Psychology: Human Perception and Performance*, 35(2), 499-507.
- Besner, D., Wartak, S., & **Robidoux, S.** (2008). Constraints on computational models of basic processes in reading. *Journal of Experimental Psychology: Human Perception and Performance*, 34(1), 242-250.
- Blais, C., **Robidoux, S.**, Risko, E. F., & Besner, D. (2007). Item-specific adaptation and the conflict-monitoring hypothesis: A computational model. *Psychological Review*, 114(4), 1076-1086.

SELECTION OF CONFERENCES (5 YEARS)

- *Jones, A., McArthur, G., Beyersmann, L., **Robidoux, S.**, & Johnco, C. (2025, July). Longitudinal associations between school belonging and internalising symptoms in adolescents with poor reading ability. Presentation at the Annual Meeting of the Society for the Scientific Study of Reading, Calgary, Canada.
- *Galea, C., Salins, A., **Robidoux, S.**, Noble, C., & McArthur, G. (2024, May). Local Community partnership connecting families to libraries and igniting children's love of books. Australian Library & Information Association, Adelaide, Australia
- *Salins, A., **Robidoux, S.**, et al. (July 2024). Using spellings to facilitate adjective learning in primary school children. Presentation at the Annual Meeting of the Society for the Scientific Study of Reading, Copenhagen, Denmark.
- *Colenbrander, D., **Robidoux, S.**, et al. (July 2024). Measuring morphological spelling proficiency in adolescents. Presentation at the Annual Meeting of the Society for the Scientific Study of Reading, Copenhagen, Denmark.
- *Parrila, R., Muldowney, J., & **Robidoux, S.** (July 2024). Do discipline specific CBM Mazes capture disciplinary reading? Poster presentation at the Annual Meeting of the Society for the Scientific Study of Reading, Copenhagen, Denmark.

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CONFERENCES (CONT'D)

- *Galea, C., Salins, A., **Robidoux, S.**, Noble, C. & McArthur, G. M. (May 2024). Local community partnerships connecting families to libraries and igniting children's love of books. Presentation at the ALIA National 2024 Conference, Adelaide, Australia.
- *Ko, K. Y., Johnco, C., **Robidoux, S.**, & McArthur, G. (2024, March). Using wearable devices to detect anxiety in reading. Dyslexia-SPELD Foundation (DSF) Language, Literacy and Learning Conference 2024, Perth, Australia.
- *Salins, A., **Robidoux, S.**, Jones, A., & McArthur, G. M. (July 2023). Reading and emotional health development in children with hearing difficulties. Presentation at the Annual Meeting of the Society for the Scientific Study of Reading, Port Douglas, Australia.
- *Galea, C., Jones, A., Ko, K., Salins, A., **Robidoux, S.**, & McArthur, G. M. (July 2023). Shared book reading and developmental outcomes in young children: A systematic review with meta-analyses. Presentation at the Annual Meeting of the Society for the Scientific Study of Reading, Port Douglas, Australia.
- Robidoux, S.**, Galea, C., Noble, C., & McArthur, G. M. (July 2023). The impact of shared book reading on young children's emergent literacy skills: Insights from Tamworth. Poster presentation at the Annual Meeting of the Society for the Scientific Study of Reading, Port Douglas, Australia.
- *McArthur, G. M., Francis, D. A., **Robidoux, S.**, et al. (2021 July). The relationship between poor reading and anxiety across the lifespan. Society for the Scientific Study of Reading. World-wide virtual conference hosted from the UK.
- *Francis, D. A., Hudson, J., Kohnen, S., Banales, E., **Robidoux, S.**, & McArthur, G. M. (2021, July). Reading fluency in children with poor reading and anxiety. Society for the Scientific Study of Reading. World-wide virtual conference hosted from the UK.
- *Francis, D. A., Hudson, J., **Robidoux, S.**, Kohnen, S., Badcock, N., & McArthur, G. M. (2021, July). Poor reading and anxiety: Research and Intervention. Centre for Effective Reading. Sydney, Australia.
- *Francis, D. A., **Robidoux, S.**, Badcock, N., Hudson, J., & McArthur, G. M. (2021, January). PRAX: Theory and Practice. Australian Paediatric Neuropsychology Research Network. Sydney, Australia.
- *Colenbrander, D., Kohnen, S., Beyersmann, E., **Robidoux, S.**, et al. (2021, July). *A comparison of three methods of irregular word reading instruction for beginning readers*. Presentation at the Annual Meeting of the Society for the Scientific Study of Reading (Online).

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SERVICE

SERVICE TO THE DEPARTMENT

Convenor, Macquarie University Reading and Development Research Group (2013-2016, 2018)

Deputy Chair, Department of Cognitive Science Research Committee (2015-2016)

Member, Department of Cognitive Science Higher Degree Research Committee (2014-2016)

Department of Cognitive Science Curriculum and Teaching Steering Committee (2014-2015)

Member, Department of Cognitive Science Research Committee (2013-2014)

SERVICE TO THE FACULTY

Statistical support for the 2015 Excellence in Research Australia round: a government run evaluation of research activity relative to international standards.

SERVICE TO THE UNIVERSITY

Grant Reviewer – Faculty of Science, Macquarie University Postgraduate Research Fund (2012)

SERVICE TO THE DISCIPLINE

Journal Reviews: Annals of Dyslexia, Reading & Writing, Applied Psycholinguistics, Journal of Educational Psychology, British Journal of Educational Psychology, Developmental Science, Psychonomic Bulletin and Review; Journal of Experimental Psychology: Human Perception and Performance; Journal of Experimental Psychology: Learning, Memory, and Cognition; Cognitive Neuropsychology; Frontiers in Psychology; Journal of Memory and Language; Collabra; PeerJ; Psychology of Consciousness: Theory, Research, and Practice; British Journal of Psychology. (<https://publons.com/author/518980/serje-robidoux>)

Conference Abstract Reviews: Architectures and Mechanisms for Language Processing.

GRANTS & AWARDS

GRANTS

2012-2014 [\$33,362]	Macquarie University Research Development Grant Robidoux, S. and Besner, D.: Order <i>mttaers</i> : Modelling letter-position coding in visual word recognition
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OTHER PROJECT FUNDING

2017 [\$86,000]	Literacy Planet Partner Organisation Research Collaboration Robidoux, S. and McArthur, G.: Literacy Planet In-Class Study
2015 [\$11,870]	Literacy Planet Partner Organisation Research Collaboration Robidoux, S. and McArthur, G.: Literacy Planet Efficacy Study

AWARDS

2015	Faculty of Human Sciences Associate Dean Research Service Award for significant contribution to the Human Sciences via statistical support
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COMMUNITY OUTREACH

MEDIA PUBLICATIONS

Seven myths about dyslexia put to rest: Article published in The Conversation (<https://theconversation.com/seven-myths-about-dyslexia-put-to-rest-49201>). 30,000+ views and 100+ comments.

RADIO INTERVIEWS

Seven myths about dyslexia put to rest: Afternoons with Clare Blake, 4BC Radio, Brisbane, QLD, October 22, 2015.

Seven myths about dyslexia put to rest: Evenings with Dominic Knight, ABC 702, NSW/ACT, October 22, 2015.

OTHER RELATED WORK EXPERIENCE

2003-2005 Statistical Consultant
Grant Thornton Vancouver (E. Mansfield, PhD)
Provided advanced statistical modelling services to a broad range of clients, including BC Hydro (forecasting energy demand), Tourism Vancouver (tracking and forecasting tourism demand), and the Ministry of Forests (assessing the cost of the 2003 forest fire season in British Columbia).

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