Van Rynald T. Liceralde

Curriculum Vitae

Nashville, TN, USA

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Employment

Postdoctoral Researcher   *Nashville, TN*
Vanderbilt University, Peabody College   *2022-present*
Advisors: Duane G. Watson, PhD and Emily Phillips-Galloway, EdD

Collegiate Associate (Researcher)   *Princeton, NJ*
Educational Testing Service, Natural Language Processing Team   *2017-2020*

Administrative Assistant   *St. Louis, MO*
St. Louis Language Immersion Schools, Spanish School   *2012-2014*

Education

PhD Cognitive Psychology *(Formal concentration in quantitative psychology)*   *Chapel Hill, NC*
University of North Carolina at Chapel Hill   *2021*
An algorithm for classifying mislocated first-pass fixations in reading
Advisor: Peter C. Gordon, PhD

MA Cognitive Psychology   *Chapel Hill, NC*
University of North Carolina at Chapel Hill   *2018*
Consequences of power transformations in linear mixed-effects models of chronometric data
Advisor: Peter C. Gordon, PhD

BS Psychology *(Honors)***, BA Philosophy**   *St. Louis, MO*
Saint Louis University   *2014*
Summa cum laude

Ateneo de Manila University   *Quezon City, Philippines*
                                                                     2009-2010

Honors and Awards

2021	**Honorable mention for Innovation in Equity and Inclusivity Service Award**; Dept of Psych and Neuro; UNC-Chapel Hill, NC
2020	**Diller-Gilligan Summer Research Fellowship**; The Graduate School; UNC-Chapel Hill, NC
2019	**Departmental Undergraduate Teaching Commendation**; Dept of Psychology and Neuroscience; UNC-Chapel Hill, NC
	Dashiell Student Travel Award; Dept of Psychology and Neuroscience; UNC-Chapel Hill, NC
2017	**J. Frank Yates Student Conference Award**; Psychonomic Society
2014	**James D. Collins Award for Excellence in Student Academic Achievement (Psychology)**; College of Arts and Sciences; SLU, MO
	Psi Chi Research Award; Psi Chi (Honor Society in Psychology); SLU, MO
	Dean's List (for 9 semesters); Saint Louis University, MO
	Saint Louis University Mission Grant; Campus Ministry; SLU, MO
2013	**Knoedler Undergraduate Research Fund**; College of Arts and Sciences; SLU, MO
2012	**Great Lakes National Scholarship Award**; Great Lakes Educational Loan Services
2011	**Daniel A. Navarro Memorial Award**; Filipino-American Association of Missouri in St. Louis, MO
	Jesuit Transfer Scholarship; Saint Louis University, MO

Preprints

1. **Liceralde, V.R.T.** & Gordon, P.C. *Consequences of power transformations as a statistical solution in linear mixed-effects models of chronometric data*. https://doi.org/10.31234/osf.io/f73mh

Manuscripts

1. Waldren, L.H., Leung, F.Y.N., Hargitai, L.D., Burgoyne, A.P., **Liceralde, V.R.T.**, Livingston, L.A., & Shah, P. (2024). Unpacking the overlap between autism and ADHD in adults: A multi-method approach. *Cortex*, *173*, 120-137. https://doi.org/10.1016/j.cortex.2023.12.016

2. **Liceralde, V.R.T.**, Loukina, A., Beigman Klebanov, B., & Lockwood, J.R. (2022). Beyond text complexity: Production-related sources of text based variability in oral reading fluency. *Journal of Educational Psychology*, *114*(1), 16–36. https://doi.org/10.1037/edu0000532

3. Sitzman, D.M., Rhodes, M.G., Tauber, S.K., & **Liceralde, V.R.T.** (2015). The role of prior knowledge in error correction for younger and older adults. *Aging, Neuropsychology, and Cognition*, *22*(4), 502-516.

Conference Proceedings

1. Beigman Klebanov, B., Loukina, A., Lockwood, J.R., **Liceralde, V.R.T.**, Sabatini, J., Madnani, N., Gyawali, B., Wang, Z., & Lentini, J. (2020). Detecting learning in noisy data: The case of oral reading fluency. In *Proceedings of the 10th International Conference on Learning Analytics and Knowledge (LAK '20)*. Frankfurt, Germany.

2. Loukina, A., **Liceralde, V.R.T.**, & Beigman Klebanov, B. (2018). Towards understanding text factors in oral reading. In *Proceedings of the Human Language Technology Conference of the North American Association of Computational Linguistics (HLT-NAACL)*. New Orleans, LA. *PDF*

Products

1. **Liceralde, V.R.T.** & Burgoyne, A.P. (2023). Squared tasks of attention control for jsPsych (Version 1.0.0) [Computer software]. https://doi.org/10.5281/zenodo.8313315

2. Loukina, A., Beigman Klebanov, B., Sabatini, J., & **Liceralde, V.R.T.** Systems and methods for evaluating and selecting reading passages for oral reading fluency assessment. US Patent application 16/045,112, Docket No. 011948-1456-999 filed on 25 July 2018.

Presentations

1. **Liceralde, V.R.T.** , Warren, T., James, A.N., & Watson, D.G. (June 2024). *Online eye-tracking and self-paced reading measures are only portable at the item level*. Poster presented at the 2nd Workshop of Eye Movements and the Assessment of Reading Comprehension. Zürich, Switzerland.

2. **Liceralde, V.R.T.** & Watson, D.G. (November 2023). *Individual differences drive half of observed variability in self-paced reading response times*. Poster presented at the 64th Annual Meeting of the Psychonomic Society. San Francisco, CA.

3. Watson, D.G., Pearson, E., **Liceralde, V.R.T.**, & Lai, W. (November 2023). *Word perception across regional dialects: Processing the pin-pen merger*. Paper presented at the 64th Annual Meeting of the Psychonomic Society. San Francisco, CA.

4. Pearson, E., **Liceralde, V.R.T.**, Lai, W., & Watson, D.G. (September 2023). *Stick a pen in it: Greater phonological competition in speakers with the pin-pen merger during eyetracking*. Poster presented at the 29th Architectures and Mechanisms for Language Processing Conference. San Sebastian, Spain.

5. **Liceralde, V.R.T.** & Watson, D.G. (March 2023). *Typical psycholinguistic designs require more items to detect reliable individual differences in focal linguistic effects*. Poster presented at the 36th Human Sentence Processing Conference. Pittsburgh, PA.

6. **Liceralde, V.R.T.** & Watson, D.G. (November 2022). *Typical psycholinguistic experiments require more items to detect reliable individual differences in focal linguistic effects*. Paper presented at the 63rd Annual Meeting of the Psychonomic Society. Boston, MA.

7. **Liceralde, V.R.T.** (October 2022). *Psycholinguistics as a problem space for quantitative psychologists*. Talk presented at the Quantitative Methods Forum of the Quantitative Psychology Program at Vanderbilt University's Department of Psychology and Human Development. Nashville, TN.

8. **Liceralde, V.R.T.**, Beigman Klebanov, B., Loukina, A., & Lockwood, J.R. (April 2019). *Measuring the effect of textual features on children's oral reading performance*. Paper presented at the 2019 National Council on Measurement in Education Annual Meeting. Toronto, ON, Canada.

9. **Liceralde, V.R.T.** & Gordon, P.C. (March 2018). *Power transforms distort interaction patterns in mixed-effects analyses of chronometric data*. Poster presented at the 31st CUNY Conference on Human Sentence Processing. Davis, CA.

10. **Liceralde, V.R.T.** & Gordon, P.C. (February 2018). *Power transforms distort interaction patterns in mixed-effects analyses of chronometric data*. Paper presented at the 2018 North Carolina Cognition Conference. Chapel Hill, NC.

11. **Liceralde, V.R.T.** & Gordon, P.C. (November 2017). *Consequences of power transformations on trial-level analyses of chronometric data.* Poster presented at the 58th Annual Meeting of the Psychonomic Society. Vancouver, BC, Canada.

12. **Liceralde, V.R.T.**, Lim, J.H., & Ferreira, F. (March 2017). *Working memory and word frequency relate to offline ambiguity resolution by influencing prosody.* Poster presented at the 30th CUNY Conference on Human Sentence Processing. Cambridge, MA.

13. **Liceralde, V.R.T.** & Gordon, P.C. (March 2017). *Consequences of power transformations on trial-level analyses of chronometric data.* Poster presented at the 2017 North Carolina Cognition Conference. Greensboro, NC.

14. **Liceralde, V.R.T.** & Gordon, P.C. (November 2015). *Individual differences and corpus-driven differences in frequency effects on word recognition.* Paper presented at the 56th Annual Meeting of the Psychonomic Society. Chicago, IL.

15. **Liceralde, V.R.T.**, Lim, J.H., Nye, J., Gwara, I., & Ferreira, F. (February 2015). *Overt prosody clarifies the relationship between attachment preference and working memory.* Poster presented at the 2015 North Carolina Cognition Conference. Elon, NC.

16. **Liceralde, V.R.T.** & Abell, A. (April 2013). *Self-efficacy and motivation due to performance feedback counteract ego depletion.* Poster presented at Saint Louis University's 10th Annual Psychology Capstone Symposium. St. Louis, MO.

17. **Liceralde, V.R.T.**, Toth, M.J., & Wang, L. (April 2013). *Influence of the self-reference effect on test performance.* Poster presented at Saint Louis University's 10th Annual Psychology Capstone Symposium. St. Louis, MO.

18. **Liceralde, V.R.T.**, Sitzman, D.M., & Rhodes, M.G. (August 2012). *Gosh I knew that: Prior knowledge, but not confidence, predicts older adults' error correction.* Poster presented at Colorado State University's Summer Program on Mind and Brain Symposium. Fort Collins, CO.

Teaching

CenterStat *(by Curran-Bauer Analytics)*   *Durham, NC*
WORKSHOP CONSULTANT   *2022-2023*
- Consulted and assisted for livestream workshops on applied data analysis and research methods
  - 2022   Multilevel Modeling, Applied Qualitative Research
  - 2023   Multilevel Modeling, Longitudinal Structural Equation Modeling

Univesity of North Carolina at Chapel Hill   *Chapel Hill, NC*
GRADUATE TEACHING ASSOCIATE   *2014-2021*
- Consulted and graded for the following graduate courses in quantitative psychology:
  - Multilevel Modeling *(2 semesters)*

TEACHING ASSOCIATE
- Taught weekly 1-3 hour lab/discussion/review sections of the following undergraduate courses:
  - Statistical Principles of Psychological Research *(6 semesters; 1 summer session)*
  - Laboratory Research in Psychology *(1 semester; 1 summer session)*

INSTRUCTIONAL ASSISTANT
- Consulted, graded, and gave guest lectures for the following undergraduate courses in psychology:
  - Sensation and Perception *(2 semesters)*
  - Introduction to Psychology *(1 semester)*
  - Cognitive Science *(1 semester)*
  - Cognitive Psychology *(1 semester)*

GRADUATE RESEARCH CONSULTANT
- Consulted for research projects for the following undergraduate courses:
  - Predictive Analytics in Sport *(2 semesters)*

Skills

Statistical expertise	Linear regression, multilevel/mixed-effects modeling, structural equation modeling, growth curve modeling, data visualization, time-series analysis, Bayesian statistics, machine learning
Programming/computing languages	R, SPSS, SAS, SQL, Stata, Python, MATLAB, HTML5
Experiment building software	jsPsych, OpenSesame, E-Prime
Natural languages	Tagalog *(native)*, English *(fluent)*, Ilocano *(listening and reading proficiency)*, German *(B1; intermediate)*

Service

Univesity of North Carolina at Chapel Hill *Chapel Hill, NC*
Diversity and Equity Leadership Committee, Dept of Psychology and Neuroscience *2020-2021*
- 2020-2021   Member, Communications and Transparency Subcommittee
- 2020-2021   Member, Graduate Student Recruitment and Retention Subcommittee

Cognitive Program Graduate Student Representative, Dept of Psychology and Neuroscience *2018*

GradMAP Philippines *Philippines*
Volunteer Mentor *2020-present*
- An international network of scientists mentoring Filipinos applying for graduate studies around the world

Ad hoc Reviewer
- Behavior Research Methods, Journal of Experimental Psychology: General, Journal of Experimental Psychology: Learning, Memory, and Cognition, Journal of Memory and Language

References

Duane G. Watson, PhD
Vice Provost for Special Initiatives
Frank W. Mayborn Chair in Cognitive Science
Professor, Psychology and Human Development
Peabody College, Vanderbilt University
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Peter C. Gordon, PhD
Professor, Psychology and Neuroscience
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