



## Education

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2012 – 2015	<b>PhD, Universidade Federal de Minas Gerais, Brazil</b> <i>Dissertation Topic: Machine Learning and Data Mining Applied to Psychology, Education, and Health</i>
2011 – 2012	<b>MSc, Universidade Federal de Minas Gerais, Brazil</b> <i>Area: Developmental Psychology with a focus on Psychological Methods and Psychometrics</i>
2007 – 2011	<b>BS in Psychology, Universidade Federal de Minas Gerais, Brazil</b>

## Software: R Packages (\*maintainer/author)

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Total Downloads	120k downloads
2019 – present 113,000 downloads	* <b>Golino, H.</b> , & Christensen, A. P. <i>EGAnet: Exploratory graph analysis: A framework for estimating the number of dimensions in multivariate data using network psychometrics</i> . R package version 2.0.1. Available from <a href="https://CRAN.R-project.org/package=EGAnet">https://CRAN.R-project.org/package=EGAnet</a>
2022 – present 4,229 downloads	*Christensen, A. P. & <b>Golino, H.</b> , <i>transforEmotion: Sentiment analysis for text and qualitative data</i> . R package version 0.1.1. Available from <a href="https://CRAN.R-project.org/package=transforEmotion">https://CRAN.R-project.org/package=transforEmotion</a>
2022 – present 2,687 downloads	*Christensen, A. P., & <b>Golino, H.</b> <i>latentFactorR: Data simulation based on latent factors</i> . R package version 0.0.5. Available from <a href="https://CRAN.R-project.org/package=latentFactorR">https://CRAN.R-project.org/package=latentFactorR</a>
2022 – present	* <b>Golino, H.</b> & Sanders-Valladares, T. <i>emoxicon: A package for emotion detection using Rasch models</i> . R package version 1.0.0. Available from [ <a href="#">GITHUB</a> ]

## Workshops for a Global Audience via *Statistical Horizons* and *Code Horizons*

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2023 – present.

Golino, H., & Christensen, A. P. *Using Large Language Transformer Models for Research in R: A Short Course*.

 <https://codehorizons.com/Seminars/using-large-language-transformer-models-for-research-in-r/>




2022 – present.

Golino, H. *Exploratory Graph Analysis with R: A Network Psychometrics Approach to Structural Validity, Item Analysis, and Dimension Analysis*.

 <https://statisticalhorizons.com/seminars/exploratory-graph-analysis-with-r/>

## Selected News Coverage of Recent Work <sup>1</sup>

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-  [UVa News: Harnessing AI in Higher Education](#)
-  [Forbes: Gen Z And Millennials More Likely To Fall For Fake News Than Older People, Test Finds](#)
-  [Scientific American: How Susceptible Are You to Misinformation? There's a Test You Can Take](#)
-  [Science Magazine: First misinformation susceptibility test finds Gen Z and millennials are most vulnerable to fake news](#)
-  [Pourquoi Docteur \(French Press\): Les générations Z et Y sont plus vulnérables face à la désinformation](#)
-  [Science Blog: 'Very Online' Gen Z And Millennials Are Most Vulnerable To Fake News](#)
-  [Association for Psychological Science](#)

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<sup>1</sup>Based on my new projects on Artificial Intelligence or on the following paper:

Maertens, R., Götz, F. M., **Golino, H.**, Roozenbeek, J., Schneider, C. R., Kyrchenko, Y., ... van der Linden, S. (2023). The Misinformation Susceptibility Test (MIST): A psychometrically validated measure of news veracity discernment. *Behavior Research Methods*, 1-37. <https://doi.org/10.3758/s13428-023-02124-2>

## Publications

General Statistics (according to [Google Scholar](#))

Citations: 4,182

h-index: 34

i10-index: 52

Number of articles (including preprints of papers under review): 72

Papers	Concept	Data Cur.	Analysis	Funding	Invest.	Method.	Admin.	Resources	Software	Supervis.	Validation	Visual	First Draft	Editing	Citations <sup>2</sup>
* co-first author, † graduate student, ‡ undergraduate student															
<b>In Preparation &amp; Under Review</b> (19 total)	<b>CRediT Contributor Roles</b>														
<b>Golino, H.</b> , & Boker, S.M. (in preparation). Monticello Simulations: A new approach for validating new quantitative methods and metrics using Generative Artificial Intelligence and Large Language Transformer Models.	X	X	X		X	X	-		X			X	X	X	
Andrews <sup>†</sup> , L., <b>Golino, H.</b> , Hayes, A., & Christensen, A. P. (in preparation). The dynamics of language in cognitive behavioral therapy for depression: An innovative approach using large language models and dynamic exploratory graph analysis.	X		X		X	X	-		X	X	X	X	X	X	
<b>Golino, H.</b> , Teles, M., Kennet, Y, van Der Linden, S. (in preparation). Psychological predictors of vulnerability to mis/disinformation.	X	X	X	X	X	X	-		X			X	X	X	
Teles, M., <b>Golino, H.</b> , Kennet, Y, Lees, J (in preparation). Investigating the impact of psycho-educational online video interventions in decreasing susceptibility to mis/disinformation.	X	X	X	X	X	X	-		X			X	X	X	
Teles, M., <b>Golino, H.</b> , Kennet, Y (in preparation). Aging differences in vulnerability to mis/disinformation: a semantic-network investigation.	X	X	X	X	X	X	-		X			X	X	X	
Jamison <sup>†</sup> , L., <b>Golino, H.</b> , & Christensen, A. P. (in preparation). Metric Invariance for Dynamic Exploratory Graph Analysis.	X	X	X		X	X	-		X	X		X	X	X	
Jamison <sup>†</sup> , L., <b>Golino, H.</b> , & Christensen, A. P. (in preparation). Estimating Network Loadings in Dynamic Exploratory Graph Analysis and its relation to the loadings of a direct autoregressive factor score model.	X	X	X		X	X	-		X	X		X	X	X	
Teles, M., <b>Golino, H.</b> (in preparation). The longitudinal structure of intelligence in adults: dynamic exploratory graph analysis of the Virginia Cognitive Aging data.	X	X	X		X	X	-		X			X	X	X	
<b>Golino, H.</b> , Loula, A., El-Hani, C., Jamison <sup>†</sup> , L., Piedrahita, M., Quest, J. (in preparation). Cognitive engagement using pupil dilation and micro-saccades in online games and tasks with different difficulty levels.	X	X	X		X	X	-		X	X		X	X	X	
<b>Golino, H.</b> , Demetriou, A., & Zebec, M. (Under Review). Predicting mental processes longitudinally: Machine learning modeling and structural equation models.	X	X	X		X	X	-		X			X	X	X	

<sup>2</sup>Citation Colors: **Black** = Less than 50 Citations, **Cyan** = Between 50 and 100 citations, **Teal** = Between 100 and 500 citations, **Orange** ≥ 500 citations

Valladares <sup>†</sup> , T. S., <b>Golino, H.</b> , & Coan, J. (Under Review). Identifying emotions in texts using the Emoxicon approach to compare right and left-leaning trolls on Twitter. <a href="#">[DOI]</a>	X	X	X		X	X	–		X	X		X	X	X	
<b>Golino, H.</b> , Thiyagarajan, J. A., Sadana, R., Teles, M., Christensen, A. P., & Boker, S. M. (Under Review). Investigating the broad domains of intrinsic capacity, functional ability and environment: An exploratory graph analysis approach for improving analytical methodologies for measuring healthy aging. <i>Intelligence</i> . <a href="#">[OSF]</a>	X	X	X		X	X	–		X			X	X	X	<b>10</b>
<b>Golino, H.</b> , Nesselroade, J., & Christensen, A. P. (Under Review). Towards a psychology of individuals: The ergodicity information index and a bottom-up approach for finding generalizations. <a href="#">[DOI]</a> <a href="#">[OSF]</a>	X	X	X		X	X	–		X			X	X	X	<b>4</b>
Garcia-Pardina, A. <sup>†</sup> , Abad, F. J., Christensen, A. P., <b>Golino, H.</b> , Garrido, L. E. (Under Review). Dimensionality assessment in the presence of wording effects: A network psychometric and factorial approach. <a href="#">[DOI]</a> <a href="#">[OSF]</a>													X	X	<b>5</b>
Garrido, L. E., Christensen, A. P., <b>Golino, H.</b> , Martínez-Molina, A., Arias, V. B., Guerra-Peña, Dolores Nieto, M., Azevedo, F., Abad, F. J. (Under Review). A systematic evaluation of wording effects modeling under the exploratory structural equation modeling framework. <a href="#">[DOI]</a> <a href="#">[OSF]</a>													X	X	<b>1</b>
Jamison <sup>†</sup> , L., Christensen, A. P., & <b>Golino, H.</b> (Under Review). Metric invariance in exploratory graph analysis via permutation testing. <a href="#">[DOI]</a>	X	X	X		X	X	–		X	X		X	X	X	<b>6</b>
Jamison <sup>†</sup> , L., Christensen, A., & <b>Golino, H.</b> (Under Review). Optimizing Walktrap's Community Detection in Networks Using the Total Entropy Fit Index. <a href="#">[DOI]</a>	X	X	X		X	X	–		X	X		X	X	X	
Martynova <sup>†</sup> , E., Boker, S.M., & <b>Golino, H.</b> (Under Review). Playing HAVOK on the Chaos Caused by Internet Trolls. <a href="#">[DOI]</a>		X				X	–		X	X		X		X	
Shi, D., Christensen, A. P., Day, E., <b>Golino, H.</b> , & Garrido, L.E. (Under Review). A Bayesian Approach for Dimensionality Assessment in Psychological Networks. <a href="#">[DOI]</a> <a href="#">[OSF]</a>		X				X	–		X	X		X		X	
<b>Papers</b>	<b>Concept</b>	<b>Data Cur.</b>	<b>Analysis</b>	<b>Funding</b>	<b>Invest.</b>	<b>Method.</b>	<b>Admin.</b>	<b>Resources</b>	<b>Software</b>	<b>Supervis.</b>	<b>Validation</b>	<b>Visual</b>	<b>First Draft</b>	<b>Editing</b>	<b>Citations</b>
* co-first author, <sup>†</sup> graduate student, <sup>‡</sup> undergraduate student															

### Published Papers (63 total)

### CRediT Contributor Roles

Maertens, R., Götz, F. M., <b>Golino, H.</b> , Roozenbeek, J., Schneider, C. R., Kyrychenko, Y., ... & van der Linden, S (2023). The Misinformation Susceptibility Test (MIST): A psychometrically validated measure of news veracity discernment. <i>Behavior Research Methods</i> . 1-37. <a href="#">[DOI]</a> <a href="#">[OSF]</a>	X	X	X		X	X	–		X				X	X	<b>22</b>
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Christensen, A. P., Garrido, L. E., Guerra-Peña, K., & <b>Golino, H.</b> (2023). Comparing community detection algorithms in psychological data: A Monte Carlo simulation. <i>Behavioral Research Methods</i> . [DOI][OSF]	X					X	–		X			X	X	37	
Jimenez, M. <sup>†</sup> , Abad, F. J., Garcia-Garzon, E., <b>Golino, H.</b> , Christensen, A. P., & Garrido, L. E. (2023). Dimensionality assessment in bifactor structures with multiple general factors: A network psychometrics approach.. <i>Psychological Methods</i> . [DOI][OSF]						X	–		X			X	X	12	
Christensen, A. P., Garrido, L. E., & <b>Golino, H.</b> (2023). Unique Variable Analysis: A Network Psychometrics Method to Detect Local Dependence. <i>Multivariate Behavioral Research</i> . [DOI][OSF]	X					X	X	–			X	X	X	48	
Demetriou, A., Spanoudis, G. C., Christou, C., Greiff, S., Makris, N., Vainikainen, M., <b>Golino, H.</b> , & Gonida, E. (2023). Cognitive and Personality Predictors of School Performance from Preschool to Secondary School: An Overarching Model. <i>Psychology Review</i> , 130(2), 480–512. [DOI]		X			X	X	–		X		X	X	X	10	
Brown, G.P., Delgado, J. & <b>Golino, H.</b> (2023). Distinguishing the Dimensions of the Original Dysfunctional Attitude Scale in an Archival Clinical Sample. <i>Cognitive Therapy Research</i> , 47(1), 69–83. [DOI]		X			X	X	–		X				X	1	
<b>Golino, H.</b> , Christensen, A. P., & Garrido, L. E. (2022). Exploratory graph analysis in context. <i>Revista Psicologia: Teoria E Prática</i> , 24(3), ePTPPA14197. [DOI]	X	X	X	X	X	X	–	X	X		X	X	X	7	
<b>Golino, H.</b> , Christensen, A. P., Moulder, R., Kim, S., & Boker, S. M. (2022). Modeling latent topics in social media using Dynamic Exploratory Graph Analysis: The case of the right-wing and left-wing trolls in the 2016 US elections. <i>Psychometrika</i> , 87, 156–187. [DOI][OSF]	X	X	X	X	X	X	–	X	X		X	X	X	32	
	<b>Concept</b>	<b>Data Cur.</b>	<b>Analysis</b>	<b>Funding</b>	<b>Invest.</b>	<b>Method.</b>	<b>Admin.</b>	<b>Resources</b>	<b>Software</b>	<b>Supervis.</b>	<b>Validation</b>	<b>Visual</b>	<b>First Draft</b>	<b>Editing</b>	<b>Citations</b>

\* co-first author, <sup>†</sup> graduate student, <sup>‡</sup> undergraduate student

## Published Papers

	CRediT Contributor Roles														
Sadana, R., and The International Consortium on Metrics and Evidence for Healthy Ageing Team (2022). Decade of Healthy Aging: Baseline Report. <i>World Health Organization</i> .			X		X	X	–		X					X	618
Till, A., Florquin, R., Christensen, A.P., <b>Golino, H.</b> , Kornreich C., Delhay M., & Briganti G (2022). Unique Variable Analysis of Redundancy in ADHD Items from the Conners Teacher Rating Scale - Revised. <i>Psychiatria Danubina</i> , 34(8), 214-219. [DOI]			X		X	X	–		X					X	
Christensen, A. P.* & <b>Golino, H.</b> * (2021). Estimating the stability of psychological dimensions via Bootstrap Exploratory Graph Analysis: A Monte Carlo simulation and tutorial. <i>Psych</i> , 3(3), 479–500. [DOI][OSF]	X	X	X	X	X	X	–	X	X		X	X	X	X	100



Christensen, A. P., <b>Golino, H.</b> , & Silvia, P. J. (2020). A psychometric network perspective on the validity and validation of personality trait questionnaires. <i>European Journal of Personality</i> , 34(6), 1095–1108. [DOI][OSF]	X	-	X	-	-	X	-	X	X	-	X	X	X	X	150
<b>Golino, H.</b> , Moulder, R., Shi, D., Christensen, A. P., Nieto, M. D., Sjobeck, G., Nesselrode, J. R., Sadana, R., Thiyagarajan, J. A., & Boker, S. M. (2020). Entropy Fit Indices: New fit measures for assessing structure and dimensionality of multiple latent variables. <i>Multivariate Behavioral Research</i> . [DOI]	X	X	X	X	X	X	-	X	X		X	X	X	X	55
	<b>Concept</b>	<b>Data Cur.</b>	<b>Analysis</b>	<b>Funding</b>	<b>Invest.</b>	<b>Method.</b>	<b>Admin.</b>	<b>Resources</b>	<b>Software</b>	<b>Supervis.</b>	<b>Validation</b>	<b>Visual</b>	<b>First Draft</b>	<b>Editing</b>	<b>Citations</b>

\* co-first author, † graduate student, ‡ undergraduate student

### Published Papers

### CRedit Contributor Roles

<b>Golino, H.</b> , Shi, D., Christensen, A. P., Garrido, L. E., Nieto, M. D., Sadana, R., Thiyagarajan, J. A., & Martinez-Molina, A. (2020). Investigating the performance of Exploratory Graph Analysis and traditional techniques to identify the number of latent factors. <i>Psychological Methods</i> , 25(3), 292–320. [DOI][OSF]	X	X	X	X	X	X	-	X	X		X	X	X	X	231
Gomes, C.M.A., Peres, A., & <b>Golino, H.</b> (2020). Fidedignidade Dos Escores Do Exame Nacional Do Ensino Médio (ENEM) [Reliability of The National Exam Of Upper Secondary Education (ENEM)]. <i>Psico</i> , 51(2), e31145-e31145.			X	X			-						X	X	42
Jaswal, V. K., Wayne, A., & <b>Golino, H.</b> (2020). Eye-tracking reveals agency in assisted autistic communication. <i>Nature Scientific Reports</i> , 10(1), 1–10. [DOI]			X				-				X			X	22
Christensen, A. P., Gross, G. M., <b>Golino, H.</b> , Silvia, P. J., & Kwapil, T. R. (2019). Exploratory Graph Analysis of the Multidimensional Schizotypy Scales. <i>Schizophrenia Research</i> , 206, 43–51. [DOI][OSF]							-		X				X	X	50
Kjellström, S., & <b>Golino, H.</b> * (2019). Mining concepts of health responsibility using text mining and exploratory graph analysis. <i>Scandinavian Journal of Occupational Therapy</i> , 26(6), 395-410. [DOI]	X		X			X	-		X		X		X	X	20
<b>Golino, H.</b> , Hamer, R., Almers, E., & Kjellström, S. (2019). The Structure of the Epistemological Development in Teaching Learning Questionnaire. <i>Cogent Education</i> , 6(1),	X	X	X	-	X	X			X		X	X	X	X	
Demetriou, A., Spanoudis, G., & <b>Golino, H.</b> (2018). gP for What is Common between Developing Intelligence and Personality: Response to the Commentators. <i>Journal of Intelligence</i> , 6(4), 54. [DOI]			X					-					X	X	4
Demetriou, A., Spanoudis, G., Zebec, M., Andreou, M., <b>Golino, H.</b> , & Kazi, S. (2018). Mind-Personality Relations From Childhood To Adolescence. <i>Journal of Intelligence</i> , 6(4), 51. [DOI]			X					-					X	X	19



Papers		Concept	Data Cur.	Analysis	Funding	Invest.	Method.	Admin.	Resources	Software	Supervis.	Validation	Visual	First Draft	Editing	Citations
* co-first author, † graduate student, ‡ undergraduate student																
<b>Published Papers</b>																
<b>CRedit</b> Contributor Roles																
Garrido, L. E., Barrada, J. R., Aguasvivas, J. A., Martínez-Molina, A., Arias, V. B., Golino, H. F., ... & Rojo-Moreno, L. (2018). Is Small Still Beautiful for the Strengths and Difficulties Questionnaire? Novel Findings Using Exploratory Structural Equation Modeling. <i>Assessment</i> , 27(6), 1349-1367. [DOI]				X					-						X	
Gomes, C. M. A., <b>Golino, H.</b> , & de Souza Peres, A. J. (2018). Análise da fidedignidade composta dos escores do ENEM por meio da análise fatorial de itens [Analysis of the scores composite reliability of the ENEM exam via factor analysis of items]. <i>European Journal of Education Studies</i> , 5(8),				X	X			-						X	X	42
Macambira, M. O. & <b>Golino, H.</b> (2018). Preliminary pre-menstrual syndrome scale validation. <i>Avaliação Psicológica: Interamerican Journal of Psychological Assessment</i> , 17(2), 180-187. [DOI]				X	X			-						X	X	4
<b>Golino, H.</b> & Epskamp, S. (2017). Exploratory graph analysis: a new approach for estimating the number of dimensions in psychological research. <i>PLoS One</i> , 12(6), e0174035. [DOI]		X	X	X		X	X	-		X		X	X	X	X	620
<b>Golino, H.</b> & Demetriou, A. (2017). Estimating the dimensionality of intelligence like data using exploratory graph analysis. <i>Intelligence</i> , 62, 54-70. [DOI]		X	X	X		X	X	-		X		X	X	X	X	155
Demetriou, A., Spanoudis, G., Kazi, S., Mougi, A., Zebec, M.S., Kazali, E., Bakracevic, K., Shayes, M., & <b>Golino, H.</b> (2017). Developmental Differentiation and Binding of Mental Processes with g Through the Life-Span. <i>Journal of Intelligence</i> , 5(2), 1-31.				X	X			-						X	X	33
Golino, M.T.S., Schelini, P., Pereira, B.L., Felix, L.M., & <b>Golino, H.</b> (2017). Investigando evidencias de validade de conteudo e estrutural em tarefas de um treino cognitivo para idosos [Investigating evidence of content and structural validity in cognitive training tasks for the elderly]. <i>Avaliação Psicológica</i> , 16(3), 278-292.				X	X			-						X	X	5
Golino, M. T. S., Mendoza, C. F., & <b>Golino, H.</b> (2017). Effects of Cognitive Training on Cognitive Performance of Healthy Older Adults. <i>The Spanish Journal of Psychology</i> , 20(E39),				X	X			-						X	X	14
Papers		Concept	Data Cur.	Analysis	Funding	Invest.	Method.	Admin.	Resources	Software	Supervis.	Validation	Visual	First Draft	Editing	Citations
* co-first author, † graduate student, ‡ undergraduate student																
<b>Published Papers</b>																
<b>CRedit</b> Contributor Roles																



<b>Golino, H.</b> , de Francisco Carvalho, L., Silva <sup>‡</sup> , E., Oliveira <sup>‡</sup> , E., Musse <sup>‡</sup> , S. S., & Silva <sup>‡</sup> , B. (2017). Revisão do Inventário de Ciúme Romântico: uma análise via modelo de Rasch [Revision of the Romantic Jealousy Inventory: an analysis using the Rasch model]. <i>Avaliação Psicológica</i> , 15(3), 285-297.	X	X	X		X	X	-		X	X	X	X	X		
Santos, M. T., & <b>Golino, H.</b> (2017). Treino de memória para idosos: uma revisão dos estudos brasileiros [Memory training for the elderly: a review of Brazilian studies]. <i>Revista E-Psi</i> , 6, 31-55.			X	X			-					X	X		
Dias, T.L., <b>Golino, H.</b> , Oliveira, V.E.M., Moraes, M.F.D., & Pereira, G.S. (2016). c-Fos expression predicts long-term social memory retrieval in mice. <i>Behavioural Brain Research</i> , 313, 260-271.			X	X			-					X	X	30	
<b>Golino, H.</b> , Gomes, C.M.A. (2016). Random forest as an imputation method for education and psychology research: its impact on item fit and difficulty of the Rasch model. <i>International Journal of Research &amp; Method in Education</i> , 21,	X	X	X		X	X	-		X		X	X	X	70	
<b>Golino, H.</b> , Gomes, C.M.A., & Peres, A.J. (2016). Investigando a validade estrutural das competências do Enem: quatro domínios correlacionados ou um modelo bifatorial? [Investigating the structural validity of ENEM competencies: four correlated domains or a bifactor model?]. <i>Boletim Na Medida</i> , 5(10), 33-38.	X	X	X		X	X	-		X		X	X	X	53	
Gomes, C.M.A. and <b>Golino, H.</b> (2015). Factor retention in the intra-individual approach: Proposition of a triangulation strategy. <i>Avaliação Psicológica</i> , 14, 273-279.			X	X			-					X	X	51	
Miller, P. M., Commons, M.L., Li, E.Y., <b>Golino, H.</b> , Commons-Miller, L.A.H., Tuladhar, C.T. (2015). Stage of pricing strategy predicts earnings: A study of informal economics. <i>Behavioral Development Bulletin</i> , 20, 76-92.			X	X			-					X	X	9	
<b>Golino, H.</b> and Gomes, C. M. A. (2014). Data from the BAFACALO project: The Brazilian Intelligence Battery based on two state-of-the-art models: Carroll's model and the CHC model. <i>Journal of Open Psychology Data</i> , 2, 1-5.	X	X	X		X	X	-		X		X	X	X	58	
	<b>Concept</b>	<b>Data Cur.</b>	<b>Analysis</b>	<b>Funding</b>	<b>Invest.</b>	<b>Method.</b>	<b>Admin.</b>	<b>Resources</b>	<b>Software</b>	<b>Supervis.</b>	<b>Validation</b>	<b>Visual</b>	<b>First Draft</b>	<b>Editing</b>	<b>Citations</b>
<b>Papers</b>															
* co-first author, † graduate student, ‡ undergraduate student															

## Published Papers

	CRediT Contributor Roles														
<b>Golino, H.</b> and Gomes, C.M.A. (2014). Four Machine Learning methods to predict academic achievement of college students: a comparison study. <i>Revista E-Psi</i> , 4, 68-101.	X	X	X		X	X	-		X		X	X	X	X	70

Paper	Concept	Data Cur.	Analysis	Funding	Invest.	Method.	Admin.	Resources	Software	Supervis.	Validation	Visual	First Draft	Editing	Citations
<b>Golino, H.</b> , Gomes, C.M.A, and Andrade, D. (2014). Predicting Academic Achievement of High-School Students Using Machine Learning. <i>Psychology</i> , 5, 2046-2057.	X	X	X		X	X	-		X		X	X	X	X	70
<b>Golino, H.</b> , et al. (2014). Predicting Increased Blood Pressure using Machine Learning. <i>Journal of Obesity</i> , 2014, 1-12.	X	X	X		X	X	-		X		X	X	X	X	92
<b>Golino, H.</b> , Gomes, C.M.A., and Menezes, I. G. (2014). Predicting School Achievement Rather than Intelligence: Does Metacognition Matter?. <i>Psychology</i> , 5, 1095-1110.	X	X	X		X	X	-		X		X	X	X	X	104
Gomes, C.M.A. and <b>Golino, H.</b> (2014). Self-reports on students' learning processes are academic metacognitive knowledge. <i>Psicologia: Reflexão e Crítica</i> , 27, 472-480.	X	X	X		X	X	-		X		X	X	X	X	1
<b>Golino, H.</b> , Gomes, C.M.A., Commons, M.L., and Miller, P (2014). The construction and validation of a developmental test for stage identification: Two exploratory studies. <i>Behavioral Development Bulletin</i> , 19(3), 37-54. [DOI]	X	X	X	X	X	X	X	-	X	X	X	X	X	X	69
Gomes, C.M.A, Araújo, J., Ferreira, M.G., and <b>Golino, H.</b> (2014). The validity of the Cattell-Horn-Carroll model on the intraindividual approach. <i>Behavioral Development Bulletin</i> , 19(4), 22-30. [DOI]				X	X		-						X	X	69
<b>Golino, H.</b> , and Gomes, C. M. A. (2014). Visualizing Random Forest's prediction results. <i>Psychology</i> , 5, 2084-2098. [DOI]	X	X	X	X	X	X	X	-	X	X	X	X	X	X	58
Gomes, C.M.A., Marques, E.L.L., <b>Golino, H.</b> (2014). Validade Incremental dos Estilos Legislativo, Executivo e Judiciário em Relação ao Rendimento Escolar [Incremental validity of Legislative, Executive, and Judicial Styles in Relation to Academic Achievement]. <i>Revista E-Psi</i> , 3, 31-46.				X	X		-						X	X	

\* co-first author, † graduate student, ‡ undergraduate student

## Published Papers

## CRedit Contributor Roles

Gomes, C.M.A., <b>Golino, H.</b> , Costa, B.C.G. (2013). Dynamic systems approach in psychology: proposition and application in the study of emotion, appraisal, and cognitive achievement. <i>Problems of Psychology in the 21st Century</i> , 6, 15-28.			X	X			-						X	X	45
Gomes, C.M.A., <b>Golino, H.</b> (2012). Relações hierárquicas entre os traços amplos do Big Five [Hierarchical relationships among the broad traits of the Big Five]. <i>Psicologia: Reflexão e Crítica</i> , 25, 445-456.			X	X			-						X	X	4
Gomes, C.M.A., <b>Golino, H.</b> (2012). Validade Incremental da Escala de Abordagens de Aprendizagem (EABAP) [Incremental Validity of the Learning Approaches Scale (EABAP)]. <i>Psicologia: Reflexão e Crítica</i> , 25, 400-410.			X	X			-						X	X	4

Gomes, C.M.A., **Golino, H.** (2012). O que a inteligência prediz: diferenças individuais ou diferenças no desenvolvimento acadêmico? [What does intelligence predict: individual differences or differences in academic development?]. *Psicologia: Teoria e Prática*, 14, 1-30.

X X - X X 80

Silveira, M. B., Gomes, C.M.A., **Golino, H.**, Dias, F. S. (2012). Construção do Teste de Habilidade Experiencial (THE): Evidências Iniciais de Validade e Confiabilidade [Construction of the Experiential Ability Test (THE): Initial Evidence of Validity and Reliability]. *Revista E-psi*, 2, 77-96.

X X - X X 41

Alves, F. A., Flores, R. P., Gomes, C.M.A., **Golino, H.** (2012). Preditores do Rendimento Escolar: Inteligência Geral e Crenças sobre Ensino-Aprendizagem [Predictors of Academic Achievement: General Intelligence and Beliefs about Teaching and Learning]. *Revista E-PSI*, 1, 97-117.

X X - X X 58

Gomes, C.M.A., **Golino, H.**, Pinheiro, C.A.R., Miranda, G.R., Soares, J. (2011). Validação da Escala de Abordagens de Aprendizagem (EABAP) em uma amostra brasileira [Validation of the Learning Approaches Scale (EABAP) in a Brazilian sample]. *Psicologia: Reflexão e Crítica*, 24, 19-27.

X X X X X - X X X X X X

**Books**

\* co-first author, † graduate student, ‡ undergraduate student

Concept	Data Cur.	Analysis	Funding	Invest.	Method.	Admin.	Resources	Software	Supervis.	Validation	Visual	First Draft	Editing	Citations
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**Published and In Preparation (4 total)**

**CRedit Contributor Roles**

<p><b>Golino, H.,</b> Christensen, A. P., &amp; Garrido, L.E. (In Preparation). <i>Modern Psychometrics with Exploratory Graph Analysis: Structural Validity, Item Analysis, and Beyond</i>. <b>Routledge</b>. Chapters: 1. Introduction; 2. What are networks; 3. Linear Algebra Refresher for EGA; 4. What is Exploratory Graph Analysis; 5. Why use Exploratory Graph Analysis? 6. Comparing EGA and traditional dimensionality assessment and reduction techniques: state of the art of the evidence; 7. Does my dimensionality structure fit the data? Introduction to the Entropy Fit Indices (information and quantum information theory, Shannon and Von Neumann Entropy, Watanabe's Total Correlation and H. Watanabe K-Function); 8. Network Loadings and Hierarchical Exploratory Graph Analysis; 9. Structural stability, dimensionality integrity, and item replicability; 10. Dynamic Exploratory Graph Analysis (Time Delay Embedding; Generalized Local Linear Approximation; Identifying the structure of individuals, groups, and population using Dynamic Exploratory Graph Analysis; Latent Trends using network loadings and scores); 11. Estimating Item Parameters in the EGA framework; 12. Unique Variable Analysis; 13. Dealing with wording effects: the random intercept exploratory graph analysis; 14. Image Structure Analysis and EGA; 15. Measurement Invariance with EGA; 16. Intraindividual or Population Structure? The Ergodicity Information Index (The nomothetic vs. idiographic debate; Multiplex Networks; Algorithm Complexity and Kolmogorov Complexity; The ergodicity information index and dynamic EGA).</p>	X	X	X	X	X	-	X	X	X	X	X	X		
<p><b>Golino, H.,</b> &amp; Gomes, C.M.A. (2019). <i>Teste de Desenvolvimento do Raciocínio Indutivo - Manual [Inductive Reasoning Development Test: Manual]</i> p. 120, São Paulo: Hogrefe</p>	X	X	X	X	X	-	X	X	X	X	X	X	X	49
<p><b>Golino, H.,</b> Gomes, C.M.A. Amantes, A., &amp; Coelho, G (2019). <i>Psicometria Contemporânea: Compreendendo os Modelos Rasch [Contemporary Psychometrics: Understanding the Rasch Models]</i>, p. 416, 2nd Edition. Belo Horizonte: Artesa.</p>	X	X	X	X	X	-	X	X	X	X	X	X	X	52
<p><b>Golino, H.,</b> Gomes, C.M.A. Amantes, A., &amp; Coelho, G (2019). <i>Psicometria Contemporânea: Compreendendo os Modelos Rasch [Contemporary Psychometrics: Understanding the Rasch Models]</i>, p. 416, 1st Edition. Sao Paulo: Casa do Psicologo.</p>	X	X	X	X	X	-	X	X	X	X	X	X	X	

Note. X indicates **CRedit** contribution role, - indicates not applicable for a given project, and blanks indicate roles not undertaken. Concept = Conceptualization, Data Cur. = Data Curation, Invest = Investigation, Method = Methodology, Admin = Project Administration, Supervis. = Supervision, Visual = Visualization, Editing = Writing: Review & Editing

## Grants

Active Grants						
Year	Principal Investigators	Project Title	Granting Institution	Role	Total Funds	
2019 – current	Erisir. A, Dodson, C., <b>Golino, H.</b> , Morris, J., and Sederberg, P.B.	Short-term cognitive change in adults from 18 to 80	National Institute of Health (5R01AG024270)	Co-Investigator	\$1,206,800	
2023 – current	Teles, M and <b>Golino, H.</b>	Cognitive Psychology: Empowering Solutions for Overcoming Social Challenges	Center for Teaching Excellence (Thrive Grant)	Co-PI	\$10,000	
2023 – current	Teles, M and <b>Golino, H.</b>	Russian Disinformation: susceptibility and resiliency	UVA’s Quantitative Collaborative	Co-PI	\$7,500	
2022 – current	Golino, H.F. and Teles Golino, M.	New tools to study and prevent online mass manipulation	Global Programs of Distinction (Center for Global Impact and Innovation)	Co-PI	\$25,000	
Completed						
Year	Principal Investigators	Project Title	Granting Institution	Role	Total Funds	
2021 – 2022	<b>Golino, H.</b> , Witlow, M., & Mousavi, R.	Susceptibility to COVID-19 Misinformation	UVA’s 3 Cavaliers Initiative	PI	\$60,000	
2019 – 2023	Vaidhyanathan, S., <b>Golino, H.</b> , et al.	<b>The Deliberative Media Lab</b> <small>The Deliberative Media Lab focused initially on Brazil and the United States—two major democracies that have experienced cultural and political strife influenced and amplified by social media. The Lab explored the historical, cultural, and technological roots of our media ecosystem and seek solutions for enhancing global democratic deliberation. My role in the DMI Lab was to develop new quantitative techniques and software to model social media data (i.e., text data) to improve our understanding of how online intelligence operations work.</small>	The Democracy Initiative	Co-I	\$2,145,582	
2018 – 2021	<b>Golino, H.</b> , Jaswal, V	The Structure of ASD Clinic-Based Instruments: An Innovative Approach	Supporting Transformative Autism Research (STAR) Pilot Award	PI	\$25,000	
2012 – 2016	Gomes, C.M.A., <b>Golino, H.</b> , & Menezes, I.	Investigating the structural validity of the Brazilian High School Examination (ENEM)	Brazilian Minister of Education – Instituto de Pesquisas e Estudos Educacionais Anísio Teixeira	Co-I	R\$250,000 (~\$50,000)	

2012 2016	-	Gomes, C.M.A., <b>Golino, H.</b>	Identifying Developmental Stages of Inductive Reasoning	Fundação de Amparo à Pesquisa do Estado de Minas Gerais (FAPEMIG)	Co-I	R\$50,000 (~\$10,000)
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**Submitted (last 4 years)**

Year	Principal Investigators	Project Title	Granting Institution	Role	Total Funds Requested
2022	<b>Golino, H., Teles, M,</b> and Christensen, A.P.	Dis/Misinformation: Large-scale interventions to reduce susceptibility and new methods of investigation	<a href="#">National Institute of Justice</a>	PI	\$1,906,363.69
2022	<b>Golino, H., Teles, M</b>	Dis/Misinformation: Large scale interventions to reduce susceptibility	The Jefferson Trust	Co-PI	\$275,181
2021	Sederberg, P.B., Dodson, C., Morris, J., Erisir, A., <b>Golino, H.</b> , and Teles, M.	Quantifying cognitive change across the lifespan to characterize healthy aging and predict Alzheimer's disease and related dementias	National Institute of Aging/NIH	Co-PI	\$3,947,812.00
2021	<b>Golino, H.,</b> Boker, S.M., <b>Teles, M</b>	The Network Psychometrics and Computational Methods Lab	UVA's Democracy Initiative	PI	\$999,462
2021	R. Menezes, S. Majerowitz, Buarque, F., <b>Golino, H.</b>	Trans-Atlantic Platform Recovery, Renewal and Resilience in a Post-Pandemic World (RRR): Resilient educational systems.	NSF's Trans-Atlantic Platform (T-AP) for Social Sciences and Humanities	Co-PI.	
2021	Shakeri, H., Henry, T., Van Horn, J., <b>Golino, H.</b>	Emergent Networks in Neural Computation	NSF	Co-I	\$1,537,745
2021	<b>Golino, H.,</b> Tong, X.	Bayesian quantile growth learning to predict FB overperforming score	Facebook	PI	\$48,933
2021	<b>Golino, H.</b>	Psychological characteristics associated with vulnerability to COVID-19 misinformation and its impact on individuals' compliance with behaviors to control the pandemic	Russel-Sage Foundation	PI	\$97,208
2020	Pelphrey, K., <b>Golino, H.</b> , et al.	Virginia Intellectual and Developmental Disorders Research Center	NIH Institute of Child Health & Human Development	Co-I	\$10,524,287
2019	<b>Golino, H.</b>	Modeling online speech content in social media using Dynamic Exploratory Graph Analysis	Charles Koch Foundation	PI	\$ 209,805

2019	<b>Golino, H.</b>	Modeling online speech content in social media using Dynamic Exploratory Graph Analysis	Sloan Foundation	PI	\$ 209,805
2019	<b>Golino, H.</b>	Developing new analytical tools to investigate the structure of large multivariate datasets in aging research	NIA/NIH.	PI	\$ 1,193,918

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## Awards

Year	Award	Granting Institution
2022	Fulbright U.S. Specialist Cohort 2022	Fulbright
2015	Medical Services Innovation Award	SANOFI
2012	International Young Scholar Scholarship	International Testing Commission
2011	Best work on Psychometrics	Universidade Federal de Minas Gerais
2010	Best work on Psychometrics	Universidade Federal de Minas Gerais
2010	Higher Distinction - Rasch Measurement	The University of Western Australia

## Teaching

University of Virginia

### Courses

Class	Class Title	Enrollment	Term	Level
PSYC 7710-100	Quantitative Methods I (Lecture)	22	Fall 2023	Graduate
PSYC 2500-100	The Psychology of Misinformation	50	Summer-2023	Undergraduate
PSYC 5710-001	Machine Learning & Data Mining (Seminar)	25	Spring 2023	Mixed
PSYC 4500	The Psychology of Misinformation (Seminar)	25	Spring 2023	Undergraduate
PSYC 7710-100	Quantitative Methods I (Lecture)	20	Fall 2022	Graduate
PSYC 2500-100	The Psychology of Misinformation	50	Summer-2022	Undergraduate
PSYC 5710-001	Machine Learning & Data Mining (Seminar)	15	Spring 2022	Mixed
PSYC 7710-100	Quantitative Methods I (Lecture)	15	Fall 2021	Graduate
PSYC 2559-100	Introduction to Cognition and Cognitive Biases	433	Jan-2021	Undergraduate
PSYC 5710-001	Machine Learning & Data Mining (Seminar)	11	Fall 2020	Mixed
PSYC 7710-100	Quantitative Methods I (Lecture)	23	Fall 2020	Graduate
PSYC 5710-001	Machine Learning & Data Mining (Seminar)	15	Spring 2020	Mixed
PSYC 3590-049	Research in Psychology (Independent Study)	2	Fall 2019	Undergraduate
PSYC 7507-001	Cont Issues: Quantitative Psyc (Lecture)	15	Fall 2019	Graduate
PSYC 7710-100	Quantitative Methods I (Lecture)	23	Fall 2019	Graduate
PSYC 9502-006	Topical Research (Independent Study)	2	Fall 2019	Graduate
PSYC 5710-001	Machine Learning & Data Mining (Seminar)	25	Spring 2019	Mixed
PSYC 5559-002	Machine Learning & Data Mining (Seminar)	9	Jan-19	Mixed
PSYC 7507-001	Cont Issues: Quantitative Psyc (Lecture)	10	Fall 2018	Graduate

PSYC 7710-100	Quantitative Methods I (Lecture)	19	Fall 2018	Graduate
PSYC 9502-012	Topical Research (Independent Study)	1	Fall 2018	Graduate
PSYC 4559-001	Construction and Validation of Assessment Instruments	18	Spring 2018	Undergraduate
PSYC 5559-001	Machine Learning & Data Mining (Seminar)	15	Spring 2018	Mixed

## Conference, Invited Talks, & Workshops (Since 2018)

**2023 (July) - Symposium** at the **10th European Congress of Methodology (Ghent University, Belgium)**. Title: Bifactor and MTMM models. Presentations: How Do We Know that a Bifactor Model is Optimal? An Example of Model Validation Using the BESS TRS-P Norm Dataset (Christine DiStefano), On the Performance of Different Regularization Methods in Bifactor-(S-I) Models with Explanatory Variables—Caveats, Recommendations, and Future Directions (Christian Bloszies), Analysis of Assessment Dimensionality Using Multitrait-Multimethod Models in Rater Assessments (Denis Federiak), and The Generalized Total Entropy Fit Index for Bifactor Structures with correlated general factors (Hudson Golino, Chair).

**2023 (June) - Oral Presentation** at the **2023 Annual Convention of the Society for the Improvement of Psychological Science (Padova, Italy)**. Title: Improving misinformation research across the lifespan: an agenda for research. Hudson Golino & Mariana Teles Santos Golino

**2023 (May) - Symposium** at the **2023 Annual Convention of the Association for Psychological Science (Washington, DC)**. Title: Network Psychometrics: New Advances of Exploratory Graph Analysis and Related Methods. Presentations: Bayesian Exploratory Graph Analysis (Dingjing Shi), Metric Invariance in the Exploratory Graph Analysis Framework (Laura Jamison), Generalized Total Entropy Fit Index (Hudson Golino).

**2023 (February) - Keynote Speaker** at the **2023 Complexity and Cognition Symposium for Quantitative Methods in Psychology**, organized by the University of Trento, Italy. Title: The Generalized Total Entropy Fit Index.

**2022 (July) – Keynote Speaker** at the **2022 Spanish Methodological Conference (XVII Congreso de Metodología de las Ciencias Sociales y de la Salud)**. Title: Exploratory Graph Analysis: New Developments and Future Directions.

**2022 (July) – Workshop** at the **2022 Spanish Methodological Conference (XVII Congreso de Metodología de las Ciencias Sociales y de la Salud)**. Title: Introduction to Exploratory Graph Analysis (EGA) With R: A Modern Network Psychometrics Approach to Structural Validity, Item and Dimension Analysis, and Beyond.

**2022 (July) – Symposium** at the **2022 International Meeting of the Psychometric Society**. Title: New strategies for dimensionality analysis using exploratory graph analysis. Presentations: Testing the structure of network communities using the total entropy fit permutation test (Hudson Golino). A Bayesian approach for dimensionality assessment in network psychometrics (Dingjing Shi). Optimizing Walktrap's community detection in networks using the total entropy fit index (Laura Jamison).

**2022 (July) – Symposium** at the **2022 International Meeting of the Psychometric Society**. Title: Information warfare: quantitative methods to understand online manipulation campaigns. Presentations: Information warfare: quantitative methods to understand online manipulation campaigns. Playing HAVOK with the chaos caused by internet trolls (Elena Martynova). Dynamic exploratory graph analysis: Russian trolls and the US elections (Hudson Golino). Metric invariance: Differences between Left and Right-wing Russian trolls and the US elections (Laura Jamison).

**2022 (May) – Invited Workshop** at the **Annual Meeting of the Association for Psychological Science**. Title: Exploratory Graph Analysis With R.

**2021 (September) – Invited Talk** at **University of Southern California**. Title: On networks and online Russian trolls: How can the total entropy fit index be applied to optimize the number of embedded dimensions used in dynamic exploratory graph analysis, and why does it matter.

**2021 (August) – Invited Talk** at the **Joint Quantitative Colloquium Series (OSU, UNC Chappel Hill, UVA, Vanderbilt University, and others)**. Title: On networks and online Russian trolls: How can the total entropy fit index be applied to optimize the number of embedded dimensions used in dynamic exploratory graph analysis, and why does it matter.

**2021 (July) – Symposium** at the **2020 (online in 2021) European Association of Methodology**. Title: Advances on the Frontline of Network Psychometrics. Presentations: 1) Dynamic Exploratory Graph Analysis: estimating latent dimensions in longitudinal data using network psychometrics and dynamic systems modeling (Hudson Golino); 2) Intervening on psychopathology networks: Evaluating intervention targets through simulation (Gaby Lunansky); 3) A GeneralMonte Carlo Method for Sample Size Analysis in the Context of Network Models (Mihai Constantin); 4) Modeling Psychopathology: From Data Models to Formal Theories (Oisin

Ryan).

**2021 (January) – Invited Talk** at **Stanford University**. Identifying Emotions in Text with EMOXICON and latent topics using Dynamic Exploratory Graph Analysis. Talk at the Screenomics Research Group’s meeting.

**2020 (October) – Invited Talk** at **University of California Los Angeles**. Title: Towards a psychology of the individual: the ergodicity information index and a bottom-up approach for finding generalizations. Talk at the Quantitative Methods meeting.

**2020 (September) – Invited Talk** at **University of North Carolina at Chapel Hill**. Title: Towards a psychology of the individual: the ergodicity information index and a bottom-up approach for finding generalizations. Talk at the Quantitative Methods meeting.

**2019 (July) – Symposium** at the **2019 International Meeting of the Psychometric Society (Santiago, Chile)**. Non-linear methods and complexity analysis: SEM, network psychometrics, and time series analysis. Presentations: 1) Entropy fit index: a new fit measure for dimensionality assessment (Hudson Golino); 2) Decomposing expected moments of products of variables for structural equation modeling (Steve Boker); 3) Investigating the stability and generalizability of dimensionality via bootstrap exploratory graph analysis (Alexander Christensen); 4) Tangle: a computationally efficient measure of time series complexity (Robert Moulder).

**2019 (May) – Symposium** at the **2019 Annual Convention of the Association for Psychological Science (Washington, DC)**. Advances and Applications of Exploratory Graph Analysis in Psychological Science. Presentations: 1) BootEGA: Estimating the Stability of Dimensions and Items in Exploratory Graph Analysis (Hudson Golino, Alexander Christensen); 2) The Development of an Entropy Fit Index for Dimensionality Assessment in Exploratory Graph Analysis (Gustav Sjobeck, Hudson Golino); 3) Using EGA and Emoxicon to Detect Emotions in Texts (Tara Valladares, Hudson Golino); 4) Investigating the Accuracy of Ega and Lda to Estimate Latent Topics in Texts (Christoph Fehrman, Hudson Golino).

**2018 (August) – Invited Talk** at the **Izabella Hendrix University (Brazil)**. Title: What can The Beatles tell us about data science?

**2018 (August) – Invited Talk** at the **Izabella Hendrix University (Brazil)**. Title: Knowledge Extraction and Emotion Mining in Texts

**2018 (July) – Workshop** at the **Pacific Rim Objective Measurement Symposium (Shanghai, China)**. Title: Applying Extended Rasch Models using R.

**2018 (July) – Invited Talk** at the **Pacific Rim Objective Measurement Symposium (Shanghai, China)**. Emoxicon: Combining data mining and Rasch modeling to identify emotions in texts.

**2018 (July) – Symposium** at the **2018 Meeting of the International Test Commission (Montreal, Canada)**. Methodological issues in testing: wording effects, dimensionality assessment, and acquiescence. Presentations: 1) A Systematic Evaluation of Wording Effects Modeling under the ESEM Framework (Luis Eduardo Garrido; Francisco Jose Abad; Hudson Golino; Maria Dolores Nieto; Kiero Guerra-Pena; Agustin Martinez-Molina); 2) Acquiescence in multilevel variables: Fitting the random intercept model (Felipe Valentini; Erika Guimaraes Soares de Azevedo Andrade); 3) Comparing Exploratory Graph Analysis and traditional dimensionality assessment techniques: a simulation study (Hudson Golino).

**2018 (July) – Symposium** at the **2018 International Meeting of the Psychometric Society (Montreal, Canada)**. **Network Psychometrics II: Psychometric Extensions to Network Modeling**. Presentations: 1) A bouncing back from adversity: a dynamical conceptualization of psychological resilience (Gabriela Lunansky); 2) A fused latent and graphical cox model for multitype recurrent events (Yunxiao Chen); 3) Network-based adaptive assessment (Sacha Epskamp); 4) Dimensionality assessment on intensive longitudinal data using exploratory graphical var (Hudson Golino).

**2018 (March) - Invited Talk** at **University of Miami**. Title: Dimensionality Assessment on Intensive Longitudinal Data Using an Exploratory Graphical Vector Autoregressive Approach.

## University of Virginia - Service

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### Department-level

#### Committees

2023. Social Media Committee (Chair)

2022. Colloquium Committee (Chair)

2021. Colloquium Committee (Chair)

2021. Teaching and Student’s Evaluation Validation Committee (Member).

2020. Teaching and Student’s Evaluation Validation Committee (Member)

2020. Computer and Software Committee (Member)  
2020. Social Media Committee (Member).  
2019. Teaching and Student's Evaluation Validation Committee (Member)  
2019. Computer and Software Committee (Member)  
2019. Steering Committee (Member).  
2019. Quantitative Methods/Data Science Search Committee (Member).  
2018. Computer and Software Committee (Member)  
2018. Neuroscience Search Committee (Member).

## Editorial Work

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### Editorial Board

2023 – Present. [Advances in Psychology](#).

### Associate Editor

2023 – Present. [Advances in Psychology](#), Section: Quantitative Methods.  
2023 – Present. [Advances in Psychology](#), Special Issue: Network Psychometrics.  
2021 – Present. Guest Editor. [Journal of Behavioral Data Science](#)  
2020 – Present. [Quantitative and Computational Methods in Behavioral Sciences](#)

### Ad-hoc Reviewer

1. Psychometrika / 2. Psychological Methods / 3. Multivariate Behavioral Research / 4. Behavior Research Methods / 5. Quantitative and Computational Methods in Behavioral Sciences / 6. Assessment / 7. Developmental Cognitive Neuroscience / 8. Clinical Psychological Science / 9. IEEE Reviews in Biomedical Engineering / 10. Behavioral Development Bulletin / 11. International Journal of Testing / 12. Scandinavian Journal of Psychology / 13. Psychology: Research and Review / 14. Avaliação Psicológica - Interamerican Journal of Psychological Assessment / 15. Plos One / 16. Social Psychiatry and Psychiatric Epidemiology / 17. Psychological Test and Assessment Modeling / 18. International Journal of Methods in Psychiatric Research / 19. Cognitive Therapy and Research / 20. Clinical Psychology / 21. Journal of Intelligence / 22. Journal of Counseling Psychology / 23. (And others)

## Supervision

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### Post-Doc & Visiting Researchers

2023 - present. Aleksandar Tomasevic, Associate Professor at Novi Sad University, Serbia (Visiting Researcher, Fulbright Program)  
2018 – 2019. Luis Eduardo Garrido (Post-Doc)  
2018 (Summer). Maria Dolores Nieto (Visiting Scholar – Universidad Nacional Autonoma de Madrid, Spain)

### Graduate Students

#### Ph.D

2023 – Present. Lara Lee Russell-Lasalandra, Department of Psychology, University of Virginia. Research Topic: Large Language Models and Network Psychometrics  
2019 – Present. Laura Jamison, Department of Psychology, University of Virginia. Research Topic: Improving Exploratory Graph Analysis (EGA): community detection optimization and metric invariance for cross-sectional and intensive longitudinal data.

#### Master

2015 – 2017. Jorge Barreto, Graduate School of Applied Computing, Universidade Estadual de Feira de Santana. Research Topic: Predicting death in an intensive care unit using data mining and machine learning.  
2015 – 2017. Luara Carvalho. Graduate School of Psychology, Universidade Salgado de Oliveira. Research Topic: The structure of work satisfaction: comparing different models via confirmatory factor analysis.  
2015 – 2017. Karla Mello de Oliveira. Graduate School of Psychology, Universidade Salgado de Oliveira. Research Topic: Social Skills and Social Competence: two distinct constructs?

### **Member of Ph.D.'s Committee**

- 2022. Tara Valladares (UVA – Quantitative Psychology).
- 2020. Dingjing Shi (UVA – Quantitative Psychology).
- 2020. Robert Moulder (UVA – Quantitative Psychology).
- 2019. Caroline Kelsey (UVA – Developmental Psychology).
- 2018. Joey Meyer (UVA – Quantitative Psychology).

### **Committee Member for a Master's Thesis**

- 2022. Elena Martynova (UVA – Quantitative Psychology).
- 2020. Dingjing Shi (UVA – Quantitative Psychology).
- 2019. Nicola Nones (UVA – Politics).
- 2019. Caroline Kelsey (UVA – Developmental Psychology).
- 2019. Tara Valladares (UVA – Quantitative Psychology).
- 2019. Robert Moulder (UVA – Quantitative Psychology).

### **Undergraduate Monographs/Research**

- 2019 – 2020. Max Ryo, Computer Science Major, University of Virginia.
- 2019 – 2020. Haley McDonald, Cognitive Science Major, University of Virginia.
- 2014 – 2014. Vanúzia Marques Silva. Predicting obesity using learning trees. Faculdade Independente do Nordeste.
- 2014 – 2014. Anne Caroline Santos Bleza. Issues in predicting obesity. Faculdade Independente do Nordeste.
- 2014 – 2014. Ana Luiza Rodrigues Garcia. Obesity in the Brazilian Population. Faculdade Independente do Nordeste.
- 2014 – 2014. Diego Andrade. Predicting Academic Achievement of High-School Students Using Machine Learning. Faculdade Juvêncio Terra.

### **Professional Memberships**

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Association for Psychological Science (2017–present); Psychometric Society (2017 - Present); European Society of Research on Adult Development; Brazilian Institute of Psychological Assessment.