

C. Laura Acion

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Ciudad Autónoma de Buenos Aires, Argentina

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Education

2012	PhD in Biostatistics University of Iowa College of Public Health, Iowa City, Iowa, USA
2009	MPH, Biostatistics subtrack University of Iowa College of Public Health
2004	MS in Biostatistics University of Iowa College of Public Health
2002	Licentiate in Molecular Biology Facultad de Ciencias Exactas y Naturales (FCEN), Universidad de Buenos Aires (UBA), Buenos Aires, Argentina

Current Positions and Appointments

2018-	Associate Researcher – Consejo Nacional de Investigaciones Científicas y Técnicas (CONICET), Instituto de Cálculo, FCEN, UBA
2018-	Associate Professor. Instituto Universitario del Hospital Italiano, Buenos Aires, Argentina
2017-	Assistant Professor. Instituto Universitario del Hospital Italiano, Buenos Aires, Argentina
2014-	Adjunct Assistant Professor. Department of Psychiatry and Behavioral Sciences, Baylor College of Medicine, Houston, Texas
2018-	Associate Research Scientist. Caver College of Medicine Department of Psychiatry, University of Iowa

Previous Positions and Appointments (last 5 years)

2011-2018	Associate Research Scientist. Iowa Consortium of Substance Abuse Research and Evaluation, University of Iowa
2015-2017	Post-Doctoral Fellow. Instituto de Cálculo, FCEN, UBA - CONICET, Buenos Aires, Argentina
2013-2015	Adjunct Assistant Professor. Department of Biostatistics, College of Public Health, University of Iowa

Academic Awards and Honors (last 5 years)

2018	Travel award. rOpenSci unconf (by invitation after competitive selection only), Seattle, EEUU
2017	Best paper award. Internal Medicine Area. IV Congreso Internacional de Clínica y Medicina Interna, Sociedad Argentina de Medicina

Teaching Activities

2018-	Instructor for The Carpentries (https://carpentries.org/)
2018	Instructor for DataCamp (https://www.datacamp.com)
2017	Chief Teaching Assistant. Biometry II. FCEN, UBA

2017	Instructor. Categorical Data Analysis. Statistics in Health Sciences Graduate Specialization. Instituto de Cálculo, FCEN, UBA
2017-2018	Instructor. Quantitative Methods. Health Sciences Doctoral Degree. Instituto Universitario, Hospital Italiano de Buenos Aires
2017	Invited Instructor. Workshop: Generalized Linear Mixed Models using R. Departamento de Ecología, Genética y Evolución, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires
2016-	Instructor. Advanced Statistics. Clinical Research Master in Science Degree. Instituto Universitario, Hospital Italiano de Buenos Aires
2016	Teaching Assistant. Statistics in Health Sciences Graduate Specialization. Instituto de Cálculo, FCEN, UBA
2013	Instructor. Introduction to Biostatistics. Graduate Class, Department of Biostatistics, College of Public Health, University of Iowa

Refereed Publications (last 5 years)

Out of: 36. Citations: 2101. h-index: 20. Source: Google Scholar

L. Acion, J. Kramer, X. Liu, G. Chan, D. Langbehn, K. Bucholz, V. McCutcheon, V. Hesselbrok, M. Schuckit, D. Dick, M. Hesselbrok, S. Kuperman. Reliability and validity of an internalizing symptom scale based on the adolescent and adult Semi-Structured Assessment for the Genetics of Alcoholism (SSAGA). American Journal of Drug and Alcohol Abuse. In press.

Impact Factor 2017: 2.2

J. Broussard, L. Acion, H. de Jesus Cortes, T. Yin, J. Britt, R. Salas, M. Costa-Mattioli, C. Robertson, A. Pieper, D. Arciniegas, R. Jorge. Repeated mild traumatic brain injury produces neuroinflammation, anxiety-like behavior and impaired spatial memory in mice. Brain Injury, 32(1):113-122, 2018.

Impact Factor 2017: 2.0

R. Savjani, B. Taylor, L. Acion, E. Wilde, R. Jorge. Accelerated changes in cortical thickness measurements with age in military service members with traumatic brain injury. Journal of Neurotrauma, 34(22):3107-3116, 2017.

Impact Factor 2017: 5.0

L. Acion, J. Zwick, P. Rojas-Saunero, S. Arndt. Distinctions between seeking- and non-seeking-treatment research participants: Implications for clinical trials effectiveness. American Journal of Drug and Alcohol Abuse. 43(6):628-630, 2017

Impact Factor 2017: 2.2

M. Jones, L. Acion, R. Jorge. What are the complications and emerging strategies for preventing depression following traumatic brain injury? Expert Review of Neurotherapeutics. 17.6 (2017): 631-640.

Impact Factor 2016: 3.2

L. Acion, D. Kelmansky, M. van der Laan, E. Sahker, D. Jones, S. Arndt. Substance use disorder treatment success prediction using a machine learning framework. Plos One. 12.4 (2017): e0175383.

Impact Factor 2016: 2.8

S. Kuperman, J. Kramer, L. Wetherill, L. Acion, X. Liu, H. Edenberg, J. Nurnberger, A. Agrawal, A. Anokhin, A. Brooks, V. Hesselbrock, M. Hesselbrock, M. Schuckit, J. Tischfield and G. Chan. A GABRA2 polymorphism improves a model for prediction of drinking initiation. *Alcohol*. In press.

Impact Factor 2016: 2.8

R. Jorge, L. Acion, D. Burin and R. Robinson. Sertraline for preventing mood disorders following traumatic brain injury: A randomized clinical trial. *JAMA Psychiatry*, 73(10):1041-1047, 2016.

Impact Factor 2016: 15.3

E. Sahker, L. Acion and S. Arndt. Age moderates the association of depressive symptoms and unhealthy alcohol use in the National Guard. *Abusive Behaviors*, 63:102-106, 2016.

Impact Factor 2016: 2.9

L. Ponto, T. Brashers-Krug, R. Pierson, Y. Menda, L. Acion, L. Watkins, J. Sunderland, J. Koeppel and R. Jorge. Preliminary investigation of cerebral blood flow and amyloid burden in veterans with and without combat-related traumatic brain injury. *Journal of Neuropsychiatry and Clinical Neurosciences*, 28(2):89-96, 2016.

Impact Factor 2016: 1.9

E. Sahker, L. Acion and S. Arndt. National analysis of differences among substance abuse treatment outcomes: College student and nonstudent emerging adults. *Journal of American College Health*, 63(2):118-124, 2015.

Impact Factor 2015: 1.4

N. Garcia-Casares, R. Jorge, J. Garcia-Arnes, L. Acion, M. Berthier, Gonzalez-Alegre, et al. Cognitive dysfunctions in middle-aged type 2 diabetic patients and neuroimaging correlations: A cross-sectional study. *Journal of Alzheimer's Disease*, 42(4):1337-1346, 2014.

Impact Factor 2014: 4.2

D. Burin, L. Acion, J. Kurczek, M. Duff, D. Tranel and R. Jorge. The role of ventromedial prefrontal cortex in text comprehension inferences: Semantic coherence or socio-emotional perspective? *Brain and Language*, 129:58-64, 2014.

Impact Factor 2014: 3.2

N. Garcia-Casares, M. Berthier, R. Jorge, P. Gonzalez-Alegre, A. Gutierrez Cardo, J. Rioja Villodres, L. Acion, M. Corbo, A. Nabrozidis, J Garcia-Arnes and P. Gonzalez-Santos. Structural and functional brain changes in middle-aged type 2 diabetic patients: A cross-sectional study. *Journal of Alzheimers Disease*. 40(2):375-386, 2014.

Impact Factor 2014: 4.2

S. Arndt, L. Acion and K. White. How the states stack up: Disparities in substance abuse outpatient treatment completion rates for minorities. *Drug and Alcohol Dependence*. 132(3):547-554, 2013.

Impact Factor 2013: 3.3

S. Arndt, L. Acion, K. Caspers and P. Blood. How reliable are county and regional health rankings? *Prevention Science*. 14(5):497-502, 2013.

Impact Factor 2013: 2.8

L. Acion, M. Ramirez, R. Jorge and S. Arndt. Increased risk of alcohol and drug use among children from deployed military families. *Addiction*. 108(8):1418-1425, 2013.

Impact Factor 2013: 4.9

Research Support (last 5 years)

Completed:

Collaborative Study on the Genetics of Alcoholism (COGA)

Sponsor: National Institutes of Alcohol Abuse and Alcoholism

Period: 04/01/2013 – 10/31/2018

Role: Statistician

Unplanned Readmissions in a Closed Argentinean Health Care System

Sponsor: Universidad ISALUD, Buenos Aires Argentina

Role: Co-Investigator

Determinants of Hospital Readmissions in Older Adults with Hip Fracture

Sponsor: Ministerio de Salud de la Nación, Argentina

Role: Co-Investigator

Serotonin Reuptake Inhibitors and Bone Mineralization in Adolescents

Sponsor: National Institutes of Mental Health

Period: 10/01/2015 – 02/28/2016

Role: Statistician

Treatment strategy for alcohol use disorders in veterans with traumatic brain injury

Sponsor: Department of Veterans Affairs

Period: 04/01/2011 – 08/30/2015

Role: Statistician

Student Advising and Team Management

TBD	Postdoctoral fellow adviser. CONICET - Instituto de Cálculo, FCEN, UBA Advisee: Sabrina López, PhD Project: Development of healthcare quality indexes using targeted learning
2017-	Doctoral dissertation co-adviser. Health Sciences Program, Instituto Universitario, Hospital Italiano de Buenos Aires Advisee: Bernardo Martínez, MD, MS Title: Desarrollo y Validación de una Regla Predictiva de Horas de Guardia Sobresaturadas de Acuerdo a la Escala NEDOCS
2016-	Doctoral dissertation co-adviser. Health Sciences Program, Instituto Universitario, Hospital Italiano de Buenos Aires Advisee: Diego Giunta, MD, MS Title: Ausentismo en Consultas Ambulatorias Programadas: Tasas, Causas y Modelos Predictivos

Professional Activities (last 5 years)

2018-	Senior consultant. Data Science Program. Fundación Sadosky, Buenos Aires, Argentina
2018	Project evaluator. CONICET, Argentina
2018	Project evaluator. National Science Center. Polonia

2017-	Chair. LatinR <- Latin American Conference about the Use of R in Research + Development 2018, Universidad de Palermo, Buenos Aires, Argentina
2017-	Mental Health & Community Reintegration Ad Hoc Panel Member. Summer Review of Scientific Proposals. Department of Veteran Affairs Rehabilitation Research and Development Service
2017-	Member. Data Safety Monitoring Board A. National Institutes of Mental Health
2017-	Methodological Evaluator. PhD Dissertation Plans. Health Sciences Doctoral Degree. Instituto Universitario, Hospital Italiano de Buenos Aires
2012-2013	Chair, Bioethics Review Board, Fundación Instituto de Neurociencias de Buenos Aires, Buenos Aires, Argentina

Editorial Activities

2017-	Associate Editor: Methods in Addiction Research, American Journal of Drug and Alcohol Abuse
2017-	Editorial Board Member, Revista Liberabit, Escuela Profesional de Psicología, Facultad de Ciencias de la Comunicación, Turismo y Psicología, Universidad de San Martín de Flores, Perú
2016-2017	Statistical Editor, American Journal of Drug and Alcohol Abuse
2004-	Statistical Reviewer for numerous articles and academic journals

Science Dissemination

L. Acion, N. D'Ippolito and W. Sosa Escudero. Inteligencia artificial: No culpes a la big data. Revista Anfibia, Universidad Nacional de San Martín (<http://revistaanfibia.com/ensayo/no-culpes-la-big-data/>), 2018.

Community Activities

2018-	Organizer, R en Buenos Aires, R user group in Buenos Aires, Argentina
2017-	New Chapters Liaison, R-Ladies Global (www.rladies.org). Onboarding of new chapters worldwide with special emphasis in Latin America
2017-	Organizer, R-Ladies Buenos Aires, first active chapter in Latin America of R-Ladies Global

Languages

Spanish: advanced speaking, writing, and reading (mother tongue)

English: advanced speaking, writing, and reading.

French: advanced speaking, writing, and reading.