

ANTHONY RODRIGUEZ, PhD

CURRICULUM VITAE

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EDUCATION

Institution: University of California, Los Angeles (UCLA)
Degree: Ph.D., June 2017
Major: Quantitative Psychology
Minor: Social Psychology

Institution: California State University, Fullerton (CSUF)
Degree: M.A., May 2012
Major: Quantitative Psychology
Minor: Health Psychology

Institution: California State University, Fullerton (CSUF)
Degree: B.S., *Magna Cum Laude*, May 2010
Major: Child and Adolescent Studies
Minor: Psychology

PROFESSIONAL EXPERIENCE

2020 – present Behavioral Scientist / Psychometrician - RAND Corporation
2017 – 2020 Associate Behavioral Scientist / Psychometrician - RAND Corporation
2012 - present Statistical and Methodological Consultant - UCLA
2016 – 2017 Instructor Psychology Research Opportunity Programs (PROPS) - UCLA
2016 Lecturer/Part-time Faculty – CSUF
201 – 2017 Graduate Teaching Fellow - UCLA
2011 Statistical Consultant and Methodologist - CSUF
2010 – 2012 Faculty Statistical Consultant - CSUF
2010 – 2017 Statistical Tutor for Undergraduate and Graduate Students - UCLA / CSUF

RESEARCH INTERESTS

- Item response theory
- Structural equation modeling
- Factor analysis
- Latent growth models
- Multilevel modeling
- Instrument development and validation
- Substance use
- Mental health
- Post-acute care assessment
- Quality/performance measure development, testing, and implementation

PEER-REVIEWED PUBLICATIONS

- Davis, J. P., Pedersen, E. R., **Rodriguez, A.**, Tucker, J. S., Seelam, R., Shih, R. A., & D'Amico, E. J. (2020). Do recent experiences of sexual violence and co-occurring depression and anxiety symptoms predict poorer functioning one year later during the transition to young adulthood? *Journal of Interpersonal Violence*. [Advanced online publication] <https://doi.org/10.1177/0886260520913648>
- D'Amico, E.J., **Rodriguez, A.**, Dunbar, M.S., Firth, C.L., Tucker, J.S., Seelam, R., Pedersen, E.R., & Davis, J.P. (2020). Sources of cannabis among young adults and associations with cannabis-related outcomes. Submitted to *International Journal of Drug Policy*, [Advance online publication]. <https://doi.org/10.1016/j.drugpo.2020.102971>
- Tucker, J. S., D'Amico, E. J., Pedersen, E. R., Garvey, R., **Rodriguez, A.**, & Klein, D. J. (2020). Behavioral health and service usage during the COVID-19 pandemic among emerging adults currently or recently experiencing homelessness. *Journal of Adolescent Health*, 67(4), 603-605.
- Tucker, J. S., D'Amico, E. J., Pedersen, E. R., **Rodriguez, A.**, & Garvey, R. (2020). Study protocol for a group-based motivational interviewing brief intervention to reduce substance use and sexual risk behavior among young adults experiencing homelessness. *Addiction Science & Clinical Practice*, 15(1), 1-12.
- Chan, W. Y., **Rodriguez, A.**, Shih, R. A., Tucker, J. S., Pedersen, E. R., Seelam, R., & D'Amico, E. J. (2020). How Do College Students Use Their Free Time? A Latent Profile Analysis of Leisure Activities and Substance Use. *Leisure Sciences*, 1-20. [doi: 10.1080/01490400.2020.1829520](https://doi.org/10.1080/01490400.2020.1829520)
- Dunbar, M. S., Seelam, R., Tucker, J. S., **Rodriguez, A.**, Shih, R. A., & D'Amico, E. J. (2020). Correlates of awareness and use of heated tobacco products in a sample of US young adults in 2018–2019. *Nicotine and Tobacco Research*, 22(12), 2178-2187.
- Pedersen, E. R., Firth, C., Parker, J., Shih, R. A., Davenport, S., **Rodriguez, A.**, ... & D'Amico, E. J. (2020). Locating medical and recreational cannabis outlets for research Purposes: online methods and observational study. *Journal of medical Internet research*, 22(2), e16853.
- Pedersen, E. R., Tucker, J. S., Davis, J. P., Dunbar, M. S., Seelam, R., **Rodriguez, A.**, & D'Amico, E. J. (2020). Tobacco/nicotine and marijuana co-use motives in young adults: Associations with substance use behaviors one year later. *Psychology of Addictive Behaviors*. [Advanced online publication]. <https://pubmed.ncbi.nlm.nih.gov/32551726/>
- D'Amico, E. J., **Rodriguez, A.**, Tucker, J. S., Dunbar, M. S., Pedersen, E. R., Shih, R. A., . . . Seelam, R. (2020). Early and late adolescent factors that predict co-use of cannabis with alcohol and tobacco in young adulthood. *Prevention Science*, 21(4), 530-544. doi: 10.1007/s11121-020-01086-7
- Pedersen, E. R., Firth, C. L., **Rodriguez, A.**, Shih, R. A., Seelam, R., Kraus, L., ... & D'Amico, E. J. (2020). Examining associations between licensed and unlicensed outlet density and cannabis outcomes from pre-opening to post-opening of recreational cannabis outlets. *The American Journal on Addictions*, 1-9. doi: 10.1111/ajad.13132
- Herman, P. M., Edelen, M. O., **Rodriguez, A.**, Hilton, L. G., & Hays, R. D. (2020). A protocol for

- chronic pain outcome measurement enhancement by linking PROMIS-29 scale to legacy measures and improving chronic pain stratification. *BMC musculoskeletal disorders*, 21(1), 1-11.
- Tucker, J. S., **Rodriguez, A.**, Dunbar, M. S., Pedersen, E. R., Davis, J. P., Shih, R. A., & D'Amico, E. J. (2019). Cannabis and tobacco use and co-use: Trajectories and correlates from early adolescence to emerging adulthood. *Drug and Alcohol Dependence*, 204, 1-7.
- Shih, R. A., **Rodriguez, A.**, Parast, L., Pedersen, E. R., Tucker, J. S., Troxel, W. M., Kraus, L., Davis, J. P., & D'Amico, E. J. (2019). Availability of Medical Marijuana Dispensaries, Storefront Signage, and Young Adult Marijuana Outcomes. *Addiction*, 114, 2162-2170.
- Troxel, W. M., **Rodriguez, A.**, Seelam, R., Tucker, J. S., Shih, R. A., D'Amico, E. J. (2019). Associations of longitudinal sleep trajectories with risky sexual behavior during late adolescence. *Health Psychology*, 38, 716-726
- Pedersen, E. R., Tucker, J. S., Seelam, R., **Rodriguez, A.**, & D'Amico, E. J. (2019). Factors associated with acquiring a medical marijuana card: A Longitudinal examination of young adults in California. Manuscript submitted for publication. Submitted to *Journal of Studies on Alcohol and Drugs*, 80, 687-692.
- Pedersen, E. R., Davis, J. P., Hummer, J. F., Diguseppi, G., Sedano, A., **Rodriguez, A.**, & Clapp, J. D. (2019). Development of a measure to assess protective behavioral strategies for pre-gaming among young adults. *Substance Use and Misuse*. [Advanced online publication] <https://www.ncbi.nlm.nih.gov/pubmed/31847662>
- Urizar Jr, G. G., Yim, I. S., **Rodriguez, A.**, & Schetter, C. D. (2019). The SMART Moms Program: A randomized trial of the impact of stress management on perceived stress and cortisol in low-income pregnant women. *Psychoneuroendocrinology*, 104, 174-184.
- Dunbar, M. S., Davis, J. P., **Rodriguez, A.**, Tucker, J. S., Seelam, R., D'Amico, E. J. (2019). Disentangling within- and between-person effects of shared risk factors on e-cigarette and cigarette use trajectories from adolescence to young adulthood. *Nicotine & Tobacco Research*, 21, 1414-1422.
- Tucker, J. S., **Rodriguez, A.**, Pedersen, E. R., Seelam, R., Shih, R. A., & D'Amico, E. J. (2018). Greater risk for marijuana use and problems among young adults with a medical marijuana card. *Drug and Alcohol Dependence*, 194, 178-183.
- Dunbar, M. S., Tucker, J. S., Ewing, B. A., Parast, L., Pedersen, E. R., **Rodriguez, A.**, & D'Amico, E. J. (2018). Ethnic differences in cigarette use trajectories and health, psychosocial, and academic outcomes. *Journal of Adolescent Health*, 62, 327-333.
- D'Amico, E. J., **Rodriguez, A.**, Tucker, J. S., Pedersen, E. R. & Shih, R. A. (2018). Planting the seed for marijuana use: Changes in exposure to medical marijuana advertising and subsequent adolescent marijuana use, cognitions, and consequences over seven years. *Drug Alcohol Dependence*, 188, 385-391.
- Rodriguez, A.**, Reise, S. P., Spritzer, K. L., & Hayes, R. D. (2018). Alternative approaches to addressing non-normal distributions in the application of IRT model to personality measures. *Journal of Personality Assessment*, 100(4), 363-374. doi: 10.1080/00223891.2017.1381969

- Incollingo Rodriguez, A. C., **Rodriguez, A.**, Callahan, L. C., Saxbe, D., & Tomiyama, A. J. (2017). The buddy system: A randomized controlled experiment of the benefits and costs of dieting in pairs. *Journal of Health Psychology*. doi: 10.1177/1359105317709514
- Dominguez-Lara, S., & **Rodriguez, A.** (2017). Índices estadísticos de modelos bifactor. *Interacciones: Revista de Avances en Psicología*, 3(2), 1-10.
- Rodriguez, A.** (2017). The Heteroscedastic Skew Graded Response Model: An Answer to the Non-Normality Predicament? UCLA Electronic Theses and Dissertations. Retrieved from: <http://escholarship.org/uc/item/8hz8724g>
- Reise, S. P., & **Rodriguez, A.** (2016). Item response theory and the measurement of psychiatric constructs: Some empirical and conceptual issues and challenges. *Psychological Medicine*, 46, 2025-2039. doi: <http://dx.doi.org/10.1017/S0033291716000520>
- Rodriguez, A.**, Reise, S.P., & Haviland, M.G. (2016). Applying bifactor statistical indices in the evaluation of psychological measures. *Journal of Personality Assessment*, 98, 223-237. (2016): Correction to: Applying bifactor statistical indices in the evaluation of psychological measures, *Journal of Personality Assessment*, doi: 10.1080/00223891.2015.1117928
- Rodriguez, A.**, Reise, S. P., & Haviland, M. G. (2016). Evaluating bifactor models: Calculating, interpreting, and applying statistical indices. *Psychological Methods*, 21, 137-150. <http://dx.doi.org/10.1037/met0000045>
- Marelich, W. D., Grandfield, E., Graham, J., Warstadt, M., & **Rodriguez, A.** (2014). Initial contact on dating websites: Results and strategies from the L.U.R.E. Project. *Electronic Journal of Human Sexuality*, 17.
- Gallego, J. C., & **Rodriguez, A.** (2013). Castilian speakers' attitudes towards accents and regional stereotypes in Spain. *Sociolinguistic Studies*, 6.3, 149-178. doi: 10.1558/sols.v6i3.543.

MANUSCRIPTS UNDER REVIEW

- Rodriguez, A.**, Shih, R., & D'Amico, E. J. (under review). Differential item functioning of the Acculturation, Habits, and Interests Multicultural Scale for Adolescents (AHIMSA) by race/ethnicity. *BMC Psychology*
- Edelen, M. O., **Rodriguez, A.**, Herman, P. M., Hilton, L. G., & Hays, R. D. (under review). Cross-walking the Patient-Reported Outcomes Measurement Information System Physical Function, Pain Interference, and Pain Intensity Scores to the Roland-Morris Disability Questionnaire and the Oswestry Disability Index. *Archives of Physical Medicine and Rehabilitation*
- Hays, R. D. Edelen, M. O., **Rodriguez, A.**, & Herman, P. M., & (under review). Evaluating the National Institutes of Health Impact Stratification Score in a Sample of Active-Duty U.S. Military Personnel with Low Back Pain. *Spine*
- Tucker, J. S., **Rodriguez, A.**, Davis, J. P., & D'Amico, E. J. (under review). Cross-Lagged Associations

of Insecure Attachment Style, Alcohol Use, and Sexual Behavior During Emerging Adulthood. *Archives of Sexual Behavior*.

Hummer, J. F., Tucker, J. S., **Rodriguez, A.**, Davis, J. P., & D'Amico, E. J. (2021). A longitudinal study of alcohol and cannabis use in young adulthood: Exploring racial and ethnic differences in the effects of peer and parental influences from middle adolescence.

Tucker, J. S., **Rodriguez, A.**, Davis, J. P., Klein, D. J., & D'Amico, E. J. (under review). Simultaneous Trajectories of Alcohol and Cannabis Use from Adolescence to Emerging Adulthood: Associations with Role Transitions and Functional Outcomes, *Psychology of Addictive Behaviors*

Troxel, W., M., **Rodriguez, A.**, Seelam, R., Tucker, J. S., Shih, R. A., Dong, L., D'Amico, E. J. (under review). Longitudinal associations of sleep problems with alcohol and cannabis use from adolescence to emerging adulthood, *SLEEP*

PUBLISHED REPORTS

Rodriguez, A., Edelen, M. O., Scherling, A., Bandini, J., Farmer, C., M., ... Ahluwalia, S. C., (2020). MACRA palliative care quality measure development: Summary report of alpha testing. Santa Monica, Calif.: RAND Corporation, RAND Corporation, WR-A400-1, 2020. As of February 1, 2021: https://www.rand.org/pubs/working_papers/WRA400-1.html

Edelen, M. O., **Rodriguez, A.**, Ahluwalia, S. C., Chen., E. K., Cohen., C. C., Dalton. S., ... Agniel., D. M. (2019). *Development and Evaluation of Candidate Standardized Patient Assessment Data Elements: Findings from the National Beta Test (Volume 1: Executive Summary)*, Santa Monica, Calif.: RAND Corporation, RR-3004/1-CMS, 2019. As of January 15, 2020: https://www.rand.org/pubs/research_reports/RR3004z1.html

Edelen, M. O., **Rodriguez, A.**, Ahluwalia, S. C., Chen., E. K., Cohen., C. C., Dalton. S., ... Agniel., D. M. (2019). *Development and Evaluation of Candidate Standardized Patient Assessment Data Elements: Findings from the National Beta Test (Volume 2: Background and Methods)*, Santa Monica, Calif.: RAND Corporation, RR-3004-CMS, 2019. As of January 16, 2020: https://www.rand.org/pubs/research_reports/RR3004.html

Edelen, M. O., **Rodriguez, A.**, Ahluwalia, S. C., Chen., E. K., Cohen., C. C., Dalton. S., ... Agniel., D. M. (2019). *Development and Evaluation of Candidate Standardized Patient Assessment Data Elements: Findings from the National Beta Test (Volume 3: Sample Description)*, Santa Monica, Calif.: RAND Corporation, RR-3004/2-CMS, 2019. As of January 15, 2020: https://www.rand.org/pubs/research_reports/RR3004z2.html

Edelen, M. O., **Rodriguez, A.**, Ahluwalia, S. C., Chen., E. K., Cohen., C. C., Dalton. S., ... Agniel., D. M. (2019). *Development and Evaluation of Candidate Standardized Patient Assessment Data Elements: Findings from the National Beta Test (Volume 1: Executive Summary)*, Santa Monica, Calif.: RAND Corporation, RR-3004/1-CMS, 2019. As of January 15, 2020: https://www.rand.org/pubs/research_reports/RR3004z1.html

Edelen, M. O., **Rodriguez, A.**, Ahluwalia, S. C., Chen., E. K., Cohen., C. C., Dalton. S., ... Agniel., D. M. (2019). *Development and Evaluation of Candidate Standardized Patient Assessment Data Elements: Findings from the National Beta Test (Volume 5: Mental Status and Pain)*, Santa

Monica, Calif.: RAND Corporation, RR-3004/4-CMS, 2019. As of January 15, 2020:
https://www.rand.org/pubs/research_reports/RR3004z4.html

Edelen, M. O., **Rodriguez, A.**, Ahluwalia, S. C., Chen., E. K., Cohen., C. C., Dalton. S., ... Agniel., D. M. (2019). *Development and Evaluation of Candidate Standardized Patient Assessment Data Elements: Findings from the National Beta Test (Volume 6: Impairments and Special Services, Treatments, and Interventions)*, Santa Monica, Calif.: RAND Corporation, RR-3004/5-CMS, 2019. As of January 15, 2020: https://www.rand.org/pubs/research_reports/RR3004z5.html

Edelen, M. O., **Rodriguez, A.**, Ahluwalia, S. C., Chen., E. K., Cohen., C. C., Dalton. S., ... Agniel., D. M. (2019). *Development and Evaluation of Candidate Standardized Patient Assessment Data Elements: Findings from the National Beta Test (Volume 7: Global Health, Care Preferences, and Medication Reconciliation)*, Santa Monica, Calif.: RAND Corporation, RR-3004/6-CMS, 2019. As of January 15, 2020: https://www.rand.org/pubs/research_reports/RR3004z6.html

Edelen, M. O., **Rodriguez, A.**, Ahluwalia, S. C., Chen., E. K., Cohen., C. C., Dalton. S., ... Agniel., D. M. (2019). *Development and Evaluation of Candidate Standardized Patient Assessment Data Elements: Findings from the National Beta Test (Volume 8: Observational Assessments of Cognitive Function, Mental Status, and Pain)*, Santa Monica, Calif.: RAND Corporation, RR-3004/7-CMS, 2019. As of January 15, 2020:
https://www.rand.org/pubs/research_reports/RR3004z7.html

Edelen, M. O., **Rodriguez, A.**, Ahluwalia, S. C., Chen., E. K., Dalton. S., ... Shih, R. A. (2018). Development and Maintenance of Standardized Cross Setting Patient Assessment Data for Post-Acute Care: Summary Report of Findings from Alpha 2 Pilot Testing. Santa Monica, Calif.: RAND Corporation. Final CMS report available: <https://www.cms.gov/Medicare/Quality-Initiatives-Patient-Assessment-Instruments/Post-Acute-Care-Quality-Initiatives/Downloads/Alpha-2-SPADE-Pilot-Summary-Document.pdf>

PROFESSIONAL CONFERENCE PRESENTATIONS

*denotes mentee

Rodriguez, A., Shih, R., & D'Amico, E. J. (2020, April). *Association between acculturation and longitudinal alcohol, cannabis, cigarette, and opioid use*. Society of Addiction Psychology. Collaborative Perspectives on Addiction (CPA) Conference Program. <https://addictionpsychology.org/cpa> (Conference cancelled)

Hummer, J. F., Davis, J. P., Zutshi, R., Diguiseppi, G., Sedano, A., **Rodriguez, A.**, Clapp, J. D., & Pedersen, E. R. (2020, April). *A measure to assess protective behavioral strategies for pregameing among young adults*. Society of Addiction Psychology. Collaborative Perspectives on Addiction (CPA) Conference Program. <https://addictionpsychology.org/cpa> (Conference cancelled)

Firth, C., Seelam, R., **Rodriguez, A.**, Shih, R., Tucker, J., D'Amico, E., & Pedersen, E. (Month, 2020). *The cannabis retail environment for young adults in Los Angeles: which metrics matter*. Poster presented at the Addiction Health Services Research virtual conference.

Bonifay, W., & **Rodriguez, A.** (2016, July). *A graded response model for items that elicit*

- avoidance of extreme categories*. Paper presented at the Annual Meeting of the Psychometric Society, Asheville, NC.
- Incollingo Rodriguez, A. C., **Rodriguez, A.**, Nguyen-Cuu, J.*, Standen, E. C.*, White, M. L.*, Callahan, L. C., Saxbe, D., Tomiyama, A. J. (2016, May). *Debunking the Buddy System: The Unintended Consequences of Dieting in Pairs*. Paper presented at the annual Convention of the Association for Psychological Science, Chicago, IL.
- Incollingo Rodriguez, A. C., **Rodriguez, A.**, Callahan, L. C., Saxbe, D., Tomiyama, A. J. (2016, March). *Second-Hand Stress: Physiological and Psychosocial Consequences Associated with Dieting in Pairs*. Poster presented at the American Psychosomatic Society Annual Scientific Meeting, Denver, Colorado.
- Tanaka, S. M.*, **Rodriguez, A.**, & Reise, S. P. (2015, April). *Stereotype vulnerability and mindset of women in upper division computer science*. Poster presented at the annual meeting of the Western Psychological Association, Red Rock NV.
- Bell, A., & **Rodriguez, A.** (2014, February). *Sociocultural vulnerabilities as mediators of the effects of individual risk factors on body dissatisfaction in college-aged women*. Poster presented at the annual meeting of the Society for Personality and Social Psychology, Austin, TX.
- Gottfried, A. W., **Rodriguez, A.**, & Gottfried, A. E. (2013, April). *What mediates reading to young children and reading achievement?* Paper presented at the biennial meeting of the Society for Research in Child Development, Seattle, WA.
- Oliver, P., Reichard, R. J., **Rodriguez, A.**, Wray-Lake, L., Gottfried, A. W., & Gottfried, A. E. (2013, April). *Encouragement of Leadership: From Adolescence to Early Adulthood*. Paper presented at the biennial meeting of the Society for Research in Child Development, Seattle, WA.
- Rodriguez, A.**, & Preston, K. S. J. (2012, April). *Exploration of parameter estimation accuracy of DIF under non-normal conditions*. Poster presented at the annual meeting of the Western Psychological Association, San Francisco, CA.
- Gottfried, A. E., Arruda, E., Gottfried, A.W., **Rodriguez, A.**, Parral, S.*, Meusser, H.*, & Oliver, P.H. (2012, April). *Developmental trajectories of math anxiety from childhood through adolescence as related to math course taking in high school*. Poster presented at the annual meeting of the American Educational Research Association, Vancouver, Canada.
- Marelich, W. D., Grandfield, E., Graham, J., Warstadt, M., & **Rodriguez, A.** (2012, May). *Initial contact on dating websites: Results and strategies from the L.U.R.E project*. Poster presented at the annual meeting of the Association for Psychological Science, Chicago, IL.
- Sy, S., Arruda, E., **Rodriguez, A.**, Moreno, L.*, Gottfried, A. W., Gottfried, A. E., & Oliver, P. H. (2011, August). *From hands-on to hands-free: Parental involvement from early childhood through adolescence*. Paper presented at the annual convention of the American Psychological Association, San Diego, CA.
- Arruda, E., Parral, S. N.*, Moreno, L.*, & **Rodriguez, A.** (2011, April). *Modeling the effects of parental education on high school GPA through middle childhood and home stimulation and climate*. Poster presented at the Biennial Meeting of the Society for Research in Child Development, Montreal, Canada.

- Rodriguez, A.** (2011, April). *Academic Self-press: Antecedents, Intermediary, and Educational Outcomes*. Poster presented as part of the Western Psychological Association's Outstanding Teacher Award Symposium: Predictors and Pathways to Educational Success, Los Angeles, CA.
- Rodriguez, A.** (2011, April). *Subject specificity in academic self-press mediation*. Poster presented at the annual meeting of the Western Psychological Association, Los Angeles, CA.
- Rodriguez, A.,** Sy, S. R., Arruda, E., & Gottfried, A. W. (2011, April). *Pathways from adolescent academic self-concept, self-expectations, and self-press to adult educational attainment*. Poster presented at the Biennial Meeting of the Society for Research in Child Development, Montreal, Canada.
- Rodriguez, A.** (2011, March). *How to successfully navigate graduate skills: The do's and don'ts as an undergraduate*. Invited address at Psychology Day at California State University, Fullerton, CA.
- Rodriguez, A.** (2010, August). *Adolescent academic self-press: Longitudinal analysis 6- to 29-years*. Poster presented at the annual convention of the American Psychological Association, San Diego, CA.
- Rodriguez, A.** (2009). *Environmental mediators of the relation between temperamental approach-withdrawal and intelligence: Ages 2 to 15 years*. Poster presented at the Ronald E. McNair Scholar University of California Berkeley Symposium.
- Rodriguez, A.,** Gottfried, A. W., Arruda, E. H., Oliver, P. H., & Gottfried, A. E. (2009). *An analysis of the nomological network of relations surrounding the development of academic self-press: Ages 5 to 29 years*. Poster presented at the Psychology Day Symposium at California State University Fullerton, CA.
- Rodriguez, A.,** Oliver, P. H., Guerin, D. W., & Gottfried, A. W. (2009, April). *Environmental mediators of the relation between temperamental approach-withdrawal and intelligence: Ages 2 to 15 years*. Poster presented at the biennial meeting of the Society for Research in Child Development, Denver, CO.
- Rodriguez, A.,** & Gottfried, A. W. (2009, April). *Toward the development of academic self-press theory*. Poster presented at the annual meeting of the Western Psychological Association, Portland, OR.
- Arruda, E. H., **Rodriguez, A.,** & Gottfried, A. W. (2009, April). *Parental educational expectations as related to child's educational attainment: A long-term longitudinal study*. Poster presented at the annual meeting of the Western Psychological Association, Portland, OR.
- Guerin, D. W., Coffman, J. K., **Rodriguez, A.,** & Arruda, E. H. (2009, April). *Preschool-age temperamental predictors of adaptive behavior: A longitudinal investigation spanning ages 3 to 9*. Poster presented at the annual meeting of the Western Psychological Association, Portland, OR.
- Coffman, J. K., Guerin, D. W., Arruda, E. H., & **Rodriguez, A.** (2009, April). *Predicting successful transitions into and out of school: A longitudinal analysis of adaptive behavior and intelligence, 6-17 years*. Poster presented at the annual meeting of the Western Psychological Association, Portland, OR.

Rodriguez, A., Oliver, P. H., Guerin., D. W., & Gottfried, A. W. (2009, April). *The role of environment on the relation between temperamental approach-withdrawal and intelligence: A longitudinal analysis ages two to fifteen years.* Poster presented at California State University Fullerton's Health and Human Development Symposium.

INVITED PRESENTATIONS

Gottfried, A. W., & **Rodriguez, A.** (2013). *Connecting the past with the future of human development: How the cognitive experience of reading to young children leads to educational benefits across the academic life-span.* Featured presentation at the Western Psychological Association's annual convention, Reno, NV.

Gottfried, A. W., Lee, H., Gottfried, A. E., **Rodriguez, A.,** Guerin, D. W., Oliver, P. O., Arruda, E. H., Sy, S. R. (2011). *Predictors and pathways to educational success.* Outstanding Teacher Award Symposium at the Western Psychological Association Annual Conference, Los Angeles, CA.

RESEARCH EXPERIENCE

- 2014-2018 **Graduate Researcher: Dieting Stress and Health Laboratory**
Director/Institution: A. Janet Tomiyama, PhD (Health Psychology), UCLA
Activities: Examination of biopsychosocial stressors as both causes and consequences of eating behaviors; attending weekly lab-group meetings, mentoring undergraduate research assistants
- 2012-present **Graduate Researcher**
Director/Institution: Steve P. Reise, PhD (Quantitative Psychology), UCLA
Activities: Investigation of non-normal latent trait distribution and estimation of alternative item response theory models; examination of multidimensionality via bifactor structures and assessment of reliability of general and group factors; exploration of 4PLM parameter estimation procedures using Bayesian Markov Chain Monte Carlo models to estimate the lower and upper asymptotes as well as the psychometric implications of the 4PLM in the analysis of personality and clinical instruments; evaluation of the structure of impulsivity through cluster analysis, bifactor analysis, and item response theory; authorship and publication of scholarly manuscripts; supervising and mentoring undergraduates
- 2011-2012 **Graduate Researcher**
Director/Institution: Kathleen S. J. Preston, PhD (Psychology), CSUF
Activities: Developed simulation studies exploring item parameter estimation accuracy of DIF under non-normal conditions; performed literature reviews, assisted in writing R code, conducted analyses in EQSIRT and IRTPRO
- 2010-present **Graduate Researcher: Fullerton Longitudinal Study**
Director/Institution: Allen W. Gottfried, PhD (Psychology), CSUF
Activities: Worked, managed, and analyzed extensive longitudinal datasets containing over 17,000 variables; conducted studies exploring a broad range of developmental factors; executed research methodology and troubleshoot data analytic issues; collaborated

with faculty and students to develop and test research hypotheses using multivariate statistical analyses and latent variable modeling; supervised and mentored undergraduate research assistants

STATISTICAL BACKGROUND

Topic: **Item Response Theory**

Methods: 1, 2, 3, and 4 Parameter Logistic Models, NRM, GPCM, GRM, category functioning, analysis of non-normal data, multiple categorical models, scoring, multiple group analysis, scale alignment, DIF, estimation, model fit evaluation, local dependence, testlets, multidimensional IRT, hierarchical item factor models, diagnostic classification models, multilevel IRT, IRT in randomized experimental studies, and non-normal priors

Topic: **Multivariate Latent Variable Modeling (Structural Equation Modeling)**

Methods: Factor analysis and covariance structures (EFA, CFA), estimation theory, multi-sample structure models, invariance testing, latent growth models, model evaluation, mixture models, multilevel models as latent variables, and missing data

Topic: **Multilevel Modeling**

Methods: Two-level random coefficients models, categorical outcomes, growth modeling, three-level models, dyadic analysis, non-hierarchical structures, estimation techniques and algorithms, and assumption violation and diagnostics

Topic: **Other Advanced Statistics**

Methods: Factorial ANOVA, Repeated Measures/Mixed Design, ANOVA, ANCOVA, MANOVA, MANCOVA Simple and Multiple Regression, Logistic Regression, Trend Analysis, and Nonparametric tests, power analysis, experimental design,

Topic: **Advanced Computer Applications**

Methods: HTML, CSS, Java, webpage design, and online survey implementation/data collection

Statistical Packages and Programs

- SPSS
- R
- R Studio
- EQS
- EQSIRT
- MPLUS
- SAS
- CEFA
- IRTPRO
- FlexMirt
- LISREL
- Microsoft Office

RESEARCH SUPPORT

09/29/17 – 09/28/21

Rodriguez (PI)

HHSD2002013M53959B

CDC

CDC Emergency Risk Communication Process and Outcomes Measures Pilot Testing Project

The purpose of this project is to apply an advanced form of content analysis, sequential coding, to evaluate differences in communication patterns between Hispanic and non-Hispanic youth in psychotherapy sessions for alcohol and other drug use.

Role: Investigator

09/01/2015 – 08/31/2019

Edelen (PI)

HHSM-500-2013-13014I

CMS

Development and Maintenance of Post-Acute Care Cross-Setting Standardized Patient Assessment Data

The purpose is to obtain services to develop, implement and maintain assessment-based data elements so as to modify the post-acute assessment instruments in satisfaction of the requirements as set forth under the IMPACT Act of 2014, Section 2(a).

Role: Investigator

09/1/12 – 08/31/17

D'Amico (PI)

R01AA02088

NIAAA

Adolescent AOD Use Trajectories: The Role of Race and Ethnicity

This application focuses on the epidemiology of underage alcohol and other drug (AOD) use by using 9 waves of data from early adolescence to late adolescence to compare racial/ethnic groups on their trajectories of AOD use, identify risk and protective factors that predict AOD use trajectories, and examine how AOD-related outcomes may differ for different AOD trajectories and youth of different races/ethnicities.

Role: Investigator

07/15/13 – 06/30/19

D'Amico & Dickerson (MPI)

R01AA022066

NIAAA

Motivational Interviewing and Culture for Urban Native American Youth (MICUNAY)

The goal of this study is to develop a community informed, culturally appropriate group intervention for Native American youth that integrates traditional healing approaches with motivational interviewing (MI).

Role: Statistician

FELLOWSHIPS

2014	Graduate Summer Research Mentorship Fellowship, UCLA
2012-2016	Eugene V. Cota-Robles Fellowship, UCLA
2011	Graduate Equity Fellowship, CSUF
2010	Graduate Equity Fellowship, CSUF

AWARDS and HONORS

2020	RAND Leonard Schaeffer Medal Award Key Contributor for Mission and Impact
2019	RAND Silver Metal Award Key Contributor for Profile and Outreach
2017	Shepard Ivory Franz Teaching Award
2016	Walter Klopfer Award – Best Empirical Paper 2016 in Journal of Personality Assessment
2012	Outstanding MA Award in Psychology, CSUF
2012	Loh Seng Tsai Memorial Scholarship in Psychology, CSUF
2012	Humanities and Social Sciences Inter-Club Council Travel Grant, CSUF

2010-2012	Enhancing Postbaccalaureate Opportunities at CSUF for Hispanic Students (EPOCHS) Graduate Research Fund Grant
2010	Quantitative Training for Underrepresented Groups, National Science Foundation / Society for Multivariate Experimental Psychology
2010	California Pre-Doctoral Program - Sally Casanova Scholar (<i>Honorable Mention</i>)
2010	Outstanding Senior Award in Child and Adolescent Studies, CSUF
2009-2012	Ronald E. McNair Post-Baccalaureate Achievement Scholar, CSUF
2009-2010	Associated Students Incorporated Research Grant, CSUF
2009	Faculty-Undergraduate Student Research Creativity Grant, CSUF
2009	University of Southern California Travel Grant
2009	Faculty-Undergraduate Student Research Creativity Grant, CSUF
2009	College of Health and Human Development - Inter-Club Council Travel Funding, CSUF
2009	Outstanding Junior Award in Child and Adolescent Studies, CSUF
2009	Enhancing Diversity in Graduate Education, CSUF
2009	Golden Key International Honor Society, CSUF
2009-2016	Phi Kappa Phi Honor Society, CSUF
2009	Frances D. Horowitz Millennium Scholar, Society for Research in Child Development

PROFESSIONAL ACTIVITIES

Affiliations	Association for Psychological Science APA Division 5: Evaluations, Measurement, and Statistics American Psychological Association Society for Research in Adolescence Society for Research in Child Development Society for Research in Child Development: Latino Caucus Western Psychological Association
Ad Hoc Reviewer	Journal of Educational and Psychological Measurement Journal of Affective Disorders Educational Psychology (APA Division 15) Developmental Psychology (APA Division 7)