

**Maricela Cruz**  
Curriculum Vitae  
(Updated February 2026)

**1. EDUCATIONAL AND BIOGRAPHICAL INFORMATION**

Maricela Cruz, PhD  
Associate Biostatistics Investigator  
Biostatistics Unit, Kaiser Permanente Washington Health Research Institute (KPWHRI)  
1730 Minor Ave, Ste. 1360  
Seattle, WA 98101  
E-mail: Maricela.F.Cruz@kp.org

Ph.D., Statistics, University of California Irvine, CA, September 2019  
M.S., Statistics, University of California Irvine, CA, March 2017  
B.A., Mathematics, Pomona College, Claremont, CA, May 2014

**2. PROFESSIONAL POSITIONS**

Current

Affiliate Assistant Investigator, Department of Biostatistics, University of Washington, Seattle, WA, February 2021 – Present  
Associate Biostatistics Investigator, KPWHRI, Seattle, WA, December 2025 – Present

Prior

Assistant Biostatistics Investigator, KPWHRI, Seattle, WA, August 2019 – November 2025  
Summer Associate, RAND Corporation, Santa Monica, CA, Summer 2018

**3. PROFESSIONAL HONORS**

Journal of Managed Care & Specialty Pharmacy best paper of the year award (second author), April 2024  
Featured, Latinxs and Hispanics in the Mathematical Sciences (Lathisms) Hispanic Heritage Month Calendar, September 2022 and September 2023 (kids-friendly edition)  
Student Travel Award, 13<sup>th</sup> International Conference on Health Policy and Statistics (ICHPS), January 2019  
PhD Enhancement Award for the Donald Bren School of Information and Computer Sciences, University of California Irvine, July 2019  
Latino Excellence Award for the Donald Bren School of Information and Computer Sciences, University of California Irvine, April 2018  
Student Paper Competition winner for the Survey Research Methodology Section/Government Statistics Section/Social Statistics Section (*travel award for JSM*), American Statistical Association, August 2017  
Graduate Conference Presentation Grant, University of California Irvine Donald Bren School of Information and Computer Sciences, March 2017  
Graduate Research Fellowship Program awardee, National Science Foundation, September 2015 – June 2019  
Eugene Cota-Robles Fellowship, University of California Irvine, September 2014 – June 2019  
Pat Kelly Prize, Pomona College, May 2014  
QuestBridge Scholarship, Pomona College, September 2010 – May 2014

#### **4. MEMBERSHIPS**

American Statistical Association

Sections: Biometrics; Health Policy Statistics; Mental Health Statistics; Social Statistics;  
Statistics in Epidemiology; Statistical Learning and Data Science

Justice, Equity, Diversity, and Inclusion Outreach Group

Caucus for Women in Statistics

Western North American Region, International Biometric Society

#### **5. ORGANIZATIONAL SERVICE**

KPWHRI Seminar Organizer January 2026 – Present

KPWHRI Seminar Co-organizer, December 2023 – December 2025

KPWHRI All Scientific Division's Culture Club, September 2023 – June 2024

KPWHRI Biostatistics Computing Workgroup, May 2022 – October 2023

KPWHRI Institute Steering Committee, January – September 2021

KPWHRI Faculty Equity Team Subcommittee member, August 2020 – October 2021

KPWHRI Equity Team Steering Committee member, August 2020 – October 2021

#### **6. OTHER PROFESSIONAL SERVICE**

##### National Service

Session Organizer

Eastern North American Region (ENAR), March 2025

Western North American Region (WNAR), June 2021, June 2023, & June 2024

Joint Statistical Meetings, August 2022 & August 2024

Session Chair

International Conference on Health Policy Statistics, January 2025

Joint Statistical Meetings, August 2020 & August 2024

Session Discussant, Western North American Region, June 2023

Reviewer for Student Paper Award, International Conference on Health Policy Statistics,  
January 2023

##### Local Service

Member, Search Committee for Assistant Teaching Professor, University of Washington  
Department of Biostatistics, August 2021 – March 2022

##### Local Service, Prior Institutions

Poster Judge, AP Statistics Poster Competition, Chapman University, Orange, CA, April 2018

Co-organizer, R-Ladies Irvine, March 2018 – May 2019

Abstract Session Reviewer, Workshop for the Philosophy of Machine Learning: Knowledge  
and Causality, Irvine, CA, April 2018

#### **7. SPECIAL NATIONAL SERVICE AND RESPONSIBILITIES**

Chair

American Statistical Association's Committee on Membership Retention and  
Recruitment, January 2025 – Present

Committee Member

American Statistical Association's Committee on Membership Retention and

Recruitment, January – December 2024

Western North American Region's Justice, Equity, Diversity, and Inclusion Committee, May 2021 – December 2022, August 2024 – Present

Justice, Equity, Diversity, and Inclusion Liaison Committee, American Statistical Association, January – December 2022

Ad hoc reviewer for research proposals from granting agencies:

PCORI Summer 2023, Fall 2023, Summer 2024, Summer and Fall 2025

## 8. EDITORIAL RESPONSIBILITIES

Associate Editor, February 2025 – Present

Journal for Statistics and Data Science Education

Journal Referee

Alzheimer's & Dementia: The Journal of the Alzheimer's Association

Brain and Behavior

La Matematica

Observational Studies

Research in Health Services & Regions

Statistics in Medicine

Vaccine

Evaluation Review

## 9. RESEARCH FUNDING

### Current

Kaiser Program Office of Community Benefit  
[No Grant Number] (Brown) 01/01/2021 – present  
\$458,000 yearly (total direct)

Social Needs Network for Evaluation and Translation (SONNET)  
Role: Co-Investigator (20% FTE)

NIMH 08/01/2024 – 04/30/2027  
R01MH137060-01 (Simon) \$3,391,349 (total direct)  
Identifying and Addressing Bias in Depression and Anxiety Quality Measures  
Role: Co-Investigator (5% FTE)

Department of Health and Human Services (DHHS) 07/01/2024 – 04/30/2027  
R01MH134831 (Simon) \$2,392,868 (total direct)  
Machine Learning to Personalize Antidepressant Treatment  
Role: Co-Investigator (25% FTE)

NIMH 07/07/2023 – 04/30/2026  
1R34MH132829-01 (Richards) \$751,682 (total direct)  
Pilot Testing Implementation of Suicide Risk Prediction Algorithms to Support Suicide  
Prevention in Primary Care  
Role: Co-Investigator (10% FTE)

NIA 04/01/22 – 03/31/27  
R01AG077628 (Gillen, Grill) \$2,462,080 (total direct)  
Recruiting and Retaining Participants from Disadvantaged Neighborhoods in Registries  
Role: Co-Investigator (20% FTE)

### Pending Review

N/A

### Past Funded Projects

NIMH R01MH125831 (Coley) Innovative Methods to Reduce Racial and Ethnic Disparities in Suicide Risk Prediction Role: Co-Investigator (20% FTE)	01/01/22 – 12/31/25 \$1,136,381 (total direct)
CDC 1R01CE003460-01-00 (Richards) Optimizing Firearm Suicide Prevention in Healthcare Role: Co-Investigator (10% FTE)	09/30/2022 – 09/29/2025 \$1,949,538 (total direct)
NIDA R01DA047954 (Glass) DIGITS Trial Administrative Supplement Role: Co-Investigator (8% FTE)	03/01/2023 – 02/28/2025 \$386,978 (total direct)
American Foundation for Suicide Prevention SRG-0-109-21 (Richards) Encouraging Firearm Access Disclosure: Suicide Prevention in Healthcare Role: Co-Investigator (5% FTE)	10/15/2022 – 10/14/2024 \$99,840 (total direct)
AHRQ R01HS027181 (Bender) Organizing Nursing to Improve Care Quality and Safety: A Hybrid Implementation- Effectiveness Study Role: Co-Investigator (20% FTE)	09/30/2020 – 09/29/2023 \$826,480 (total direct)
Donaghue Foundation [No Grant Number] (Yeung) Value-based Formulary-Essentials: Testing and Expanding on Value in Prescription Drug Benefit Design Role: Co-Investigator (15% FTE)	09/30/2020 – 09/29/2023 \$366,739 (total direct)
FDA HHSF223201810201C (Simon) Effects of Medical Products on Suicidal Ideation and Behavior - Real World Evidence Role: Co-Investigator (25% FTE)	09/30/2018 – 06/30/2022 \$4,899,783 (total direct)
NIMH 5U01MH114087-05 (Simon, Ahmedani) An Evaluation of the National Zero Suicide Model Across Learning Healthcare Systems Role: Co-Investigator (5% FTE)	08/03/2017 – 05/31/2022 \$1,222,633 (total direct year4)
NIDDK R01DK114196 (Arterburn, Drewnowski) Moving 2 Health: How Changing Built Environments Impact Weight and Glycemic Control Role: Co-investigator (25% FTE)	09/15/2017 – 06/30/2022 \$2,840,745 (total direct)

## **10. TEACHING AND MENTORING RESPONSIBILITIES**

### Teaching

#### Instructor

Biostat 582: Student Seminar (~15 students, 2hrs/week), Department of Biostatistics, University of Washington, Winter 2020, Winter 2021, Spring 2025

Health Services 525: Advanced Health Services Methods III – Causal Inference Using Observational Data (~30 students, 4hrs/week), Department of Health Services and Population Health, University of Washington, Spring 2022

## Teaching Assistant

Statistics 67: Introduction to Probability and Statistics for Computer Science Major, Department of Statistics, University of California Irvine, Summer II 2016 and Summer II 2017

Statistics 08: Introduction to Biostatistics, Department of Statistics, University of California Irvine, Summer II 2015

## Guest Lectures

Electronic Health Record Considerations, Epidemiology 515: Advanced Epidemiologic Methods 1, University of Washington, Seattle, WA, November 2022 & November 2023

Interrupted Time Series Models, Health Services 525: Advanced Health Services Methods III – Causal Inference Using Observational Data, University of Washington, Seattle, WA, April 2022

## Mentoring

Co-chair, dissertation committee

Thuy Lu, University of California Irvine, PhD in Statistics completed December 2025

Mentored students

Shantell Missouri, University of California Los Angeles, Expected Graduation (PhD in Human Development and Psychology): Summer 2026

Summer interns

Khadija Dial, Fred Hutchinson Cancer Research Center Seattle Stat GROWS, 2024

Lydia Woldemichael, Fred Hutchinson Cancer Research Center Seattle Stat Summer 2023

Isabelle R. Bassler, Fred Hutchinson Cancer Research Center Pathways Undergraduate Researchers, 2021

## 11. PUBLICATIONS

### Published Papers in Refereed Journals

\* Denotes co-first author publications

1. Ye S, **Cruz M**, Wang Z, Yu Y. (2026). A marginalized three-part interrupted time series regression model for proportional data. *Journal of Applied Statistics*. <https://doi.org/10.1080/02664763.2026.2614752>
2. Li D, **Cruz M**, Mooney SJ, Cook AJ, Bobb JF. (2025). Mitigating the risk of bias exacerbation when controlling for unmeasured spatial confounding for binary exposures. *American Journal of Epidemiology*. <https://doi.org/10.1093/aje/kwaf248>
3. Bender M, Williams M, **Cruz M**, Coppin JD. (2025). Examining the relationship between differing implementation patterns of an evidence-informed frontline nursing care model and implementation success in a national-level study. *Journal of Nursing Management*. <https://doi.org/10.1155/jonm/9652060>
4. **Cruz M**, Shortreed SM, Simon GE, Coley Y. (2025). Evaluating Clinical Implementation of Risk Prediction Based Interventions Using Difference-In-Differences. *Health Services Research*. <https://doi.org/10.1111/1475-6773.70015>
5. Angerhofer Richards J, **Cruz M**, Shaw J, Boggs J, Stewart C, Runkle A, Wolter E, Holden E, Medlock S, Quintana L, Kuo EN, Trejo J, King R. (2025). Healthcare Utilization Prior to Firearm Suicide Versus Suicide by Other Means. *Morbidity and Mortality Weekly Report*. <https://doi.org/10.15585/mmwr.mm7421a2>
6. Bobb JF, Mooney SJ, **Cruz M**, Moudon AV, Drewnowski A, Arterburn D, Cook AJ. (2025). Distributed lag models for retrospective cohort data with application to a study of built environment and body weight. *Biometrics*. <https://doi.org/10.1093/biomtc/ujae166>

7. Wolock CJ, Williamson BD, Shortreed SM, Simon GE, Coleman KJ, Yeargans R, Ahmedani BK, Daida Y, Lynch FL, Rossom RC, Ziebell RA, **Cruz M**, Wellman RD, Coley RY. (2025). Importance of variables from different time frames for predicting self-harm using health system data. *Journal of Biomedical Informatics*.  
<https://doi.org/10.1016/j.jbi.2024.104750>
8. Angerhofer Richards J, **Cruz M**, Stewart C, Lee AK, Ryan TC, Ahmedani BK, Simon GE. (2024). Effectiveness of Integrating Suicide Care in Primary Care: Secondary Analysis of a Stepped-Wedge, Cluster Randomized Implementation Trial. *Annals Internal Medicine*.  
<https://doi.org/10.7326/m24-0024>
9. Lozano PM, Bobb JF, Kapos FP, **Cruz M**, Mooney SJ, Hurvitz PM, Anau J, Theis MK, Cook A, Moudon AV, Arterburn DE, Drewnowski A. (2024). Residential density is associated with BMI trajectories in children and adolescents: Findings from the Moving to Health study. *AJPM Focus*. 3(3):100225. <https://doi.org/10.1016/j.focus.2024.100225>
10. Rosenberg DE, **Cruz MF**, Mooney SJ, Bobb JF, Drewnowski A, Moudon AV, Cook AJ, Hurvitz PM, Lozano P, Anau J, Theis MK, Arterburn DE. (2024). Neighborhood built and food environment in relation to glycemic control in people with type 2 diabetes in the moving to health study. *Health & Place*. 86:103216.  
<https://doi.org/10.1016/j.healthplace.2024.103216>
11. **Cruz M**, Wei A, Hardin J, & Radunskaya A. (2024). Long-term averages of the stochastic logistic map. *Journal of Difference Equations and Applications*, 1-29.  
<https://doi.org/10.1080/10236198.2024.2316379>
12. Simon GE, **Cruz M**, Boggs JM, Beck A, Shortreed SM, Coley RY. (2023). Predicting Outcomes of Antidepressant Treatment in Community Practice Settings. *Psychiatric Services*. <https://doi.org/10.1176/appi.ps.20230380>
13. Yeung L, **Cruz M**, Tsiao E, Watkins JB, Sullivan SD. (2023). Drug Use and spending under a formulary informed by cost effectiveness. *Journal of Managed Care & Specialty Pharmacy*. 29(11):1175-1183. <https://doi.org/10.18553/jmcp.2023.29.11.1175>  
Journal of Managed Care & Specialty Pharmacy best paper of the year award, 2024
14. Simon GE, **Cruz M**, Shortreed SM, Sterling SA, Coleman KJ, Ahmedani BK, Yaseem ZS, Mosholder AD. (2023). Stability of suicide risk prediction models during changes in health care delivery. *Psychiatric Services Decision*. <https://doi.org/10.1176/appi.ps.20230172>
15. Shortreed SM, Walker RL, Johnson E, Wellman R, **Cruz M**, Ziebell R, Coley RY, Yaseem ZS, Dharmarajan S, Penfold RB, Ahmedani BK, Rossom RC, Beck A, Boggs JM, Simon GE. (2023). Electronic health record-based suicide risk prediction: Incorporating detailed temporal predictors and complex modeling strategies does not substantially improve performance. *NPJ Digital Medicine*. 6(1):47. <https://doi.org/10.1038/s41746-023-00772-4>
16. **Cruz M**, Shortreed SM, Richards JE, Coley RY, Yarborough BJ, Walker RL, Johnson E, Ahmedani BK, Rossom R, Coleman KJ, Boggs JM, Beck AL, Simon GE. (2022). Machine Learning Prediction of Suicide Risk Does Not Identify Patients Without Traditional Risk Factors. *The Journal of clinical psychiatry*, 83(5), 42525.  
<https://doi.org/10.4088/jcp.21m14178>
17. **Cruz M**, Drewnowski A, Bobb JF, Hurvitz PM, Moudon AV, Cook A, Mooney SJ, Buszkiewicz JH, Lozano P, Rosenberg DE, Kapos F, Theis MK, Anau J, Arterburn D. (2022). Differences in weight gain following residential relocation in the Moving to Health (M2H) Study. *Epidemiology*. 33(5):747-755.  
<https://doi.org/10.1097/ede.0000000000001505>
18. **Cruz M**, Ombao H, Gillen DL. (2022). A Generalized Interrupted Time Series Model for Assessing Complex Health Care Interventions. *Statistics in Biosciences*.  
<https://doi.org/10.1007/s12561-022-09346-6>
19. Bobb JF, **Cruz MF**, Mooney SJ, Drewnowski A, Arterburn D, Cook AJ. (2022). Accounting for spatial confounding in epidemiological studies of individual-level exposures: an exposure penalized spline approach. *Journal of the Royal Statistical Society, Series A*.  
<http://doi.org/10.1111/rssa.12831>

20. \***Cruz M**, Pinto-Orellana MA, Gillen DL, Ombao H. (2021). RITS: a toolbox for assessing complex interventions via interrupted time series models. *BMC Medical Research Methodology*, 21(1):143. <https://doi.org/10.1186/s12874-021-01322-w>
21. Buszkiewicz JH, Bobb JF, Kapos F, Hurvitz PM, Arterburn D, Moudon AV, Cook A, Mooney SJ, **Cruz M**, Gupta S, Lozano P, Rosenberg DE, Theis MK, Anau J, Drewnowski A. (2021). Differential associations of the built environment on weight gain by sex and race/ethnicity but not age. *International Journal of Obesity*. <https://doi.org/10.1038/s41366-021-00937-9>
22. Buszkiewicz JH, Bobb JF, Hurvitz PM, Arterburn D, Moudon AV, Cook A, Mooney SJ, **Cruz M**, Gupta S, Lozano P, Rosenberg DE, Theis MK, Anau J, Drewnowski A. (2021). Does the built environment have independent obesogenic power? Urban form and trajectories of weight gain. *International Journal of Obesity*, 1-11. <https://doi.org/10.1038/s41366-021-00836-z>
23. Coley RY, Walker RL, **Cruz M**, Simon GE, Shortreed SM. (2021). Clinical risk prediction models and informative cluster size: assessing the performance of a suicide risk prediction algorithm. *Biometrical Journal*. <https://doi.org/10.1002/bimj.202000199>
24. Bender M, Williams M, **Cruz MF**, Rubinson C. (2021). A study protocol to evaluate the implementation and effectiveness of the Clinical Nurse Leader Care Model in improving quality and safety outcomes. *Nursing Open*. <https://doi.org/10.1002/nop2.910>
25. Coley RY, Johnson E, Simon GE, **Cruz M**, Shortreed SM. (2021). Racial/Ethnic Disparities in the Performance of Prediction Models for Death by Suicide After Mental Health Visits. *JAMA Psychiatry*. <https://doi.org/10.1001/jamapsychiatry.2021.0493>.
26. Bender M, Murphy EA, **Cruz M**, Ombao H. (2019). System and unit-level care quality outcomes after reorganizing frontline care delivery to integrate Clinical Nurse Leaders: a quasi-experimental time series study. *Journal of Nursing Administration*, 49(6), p. 315-322. <https://doi.org/10.1097/NNA.0000000000000759>
27. **Cruz M**, Osilla KC, Paddock SM. (2019). Group cohesion and climate in cognitive behavioral therapy for first-time DUI offenders. *Alcoholism Treatment Quarterly*, 1-19. <https://doi.org/10.1080/07347324.2019.1613941>
28. **Cruz M**, Gillen DL, Bender M, & Ombao H. (2019). Assessing health care interventions via an interrupted time series model: study power and design considerations. *Statistics in Medicine*, 38(10), 1734-1752. <https://doi.org/10.1002/sim.8067>
29. **Cruz M**, Bender M, & Ombao H. (2017). A robust interrupted time series model for analyzing complex health care intervention data. *Statistics in Medicine*, 36(29), 4660–4676. <https://doi.org/10.1002/sim.7443>

Accepted Peer-Reviewed Papers in Press

1. N/A

Non-Refereed Papers / Articles

1. Ye S, **Cruz M**, Hu Y, Yu Y. (2022). A marginalized three-part interrupted time series regression model for proportional data. *ArXiv*. <https://doi.org/10.48550/arXiv.2212.09996>

Book Chapters

Not applicable

Published Technical Reports

Not applicable

Published Abstracts from Professional Conferences

Not applicable

Digital and Other Novel Forms of Scholarship

1. **Cruz M**, Pinto M, Gillen DL, Ombao H. (2021). Robust Interrupted Time Series (RITS) Toolbox. [https://biostatistics-kaust.github.io/robust\\_time\\_series\\_toolbox/](https://biostatistics-kaust.github.io/robust_time_series_toolbox/)

#### Submitted Manuscripts

1. Lu TV, Grill JD, Gillen DL, **Cruz M**. Interrupted time series methods for non-random sampling study designs with known sampling weights. *Statistics in Medicine*. Revise and resubmit.

## 12. INVITED PRESENTATIONS (Like Presentations Grouped)

#### Seminars

**Cruz M**. Analytic Challenges in Mental Health. Collaborative Undergraduate Biostatistics Experience program, Center for Biostatistics and Health Data Science, Virginia Tech, Virtual, June 2024

**Cruz M**, Shortreed SM, Coley Y. Assessing the Impact of Risk-stratified Interventions with Difference-in-Differences. Mental Health Research Network Methods Scientific Interest Group, Virtual, September 2023

**Cruz M**, Ombao H, Bender M, Gillen DL. Interrupted Time Series Models for Observational Health Care Interventions. University of Colorado Denver Anschutz Medical Campus, Department of Biostatistics & Informatics Seminar, Virtual, September 2023

**Cruz M**, Holbrook A. A Mixed-Effects Interrupted Time Series Model for Assessing Complex Healthcare Interventions Across Multiple Units. Mental Health Research Network Methods Scientific Interest Group, Virtual, October 2022

**Cruz M**. My Statistically Significant Journey. Loyola Marymount University Mathematics Department, Los Angeles, CA, April 2022

**Cruz M**, Ombao H, Bender M, Gillen DL. Interrupted Time Series Models for Analyzing Complex Health Care Interventions.

University of Washington Developing Data Driven Cancer Researchers Training Program, WA, February 2022

Claremont Center for the Mathematical Sciences, Claremont, CA, Virtual, October 2021

University of Washington Department of Biostatistics, Seattle, WA, January 2020

Enhancing Diversity in Graduate Education (EDGE) Program, Claremont, CA, June 2019

KPWHRI, Seattle, WA, January 2019

RAND Corporation, Santa Monica, CA, January 2019

University of Texas Austin Department of Statistics and Data, Austin, TX, January 2019

Loyola Marymount University Mathematics Department, Los Angeles, CA, January 2019

Harvard Department of Biostatistics, Boston, MA, January 2019

Chubak J, Ziebell R, **Cruz M**, Coley RY, Gray R. Racial and Ethnicity in Analyses of Health Care Data: Reflections from KPWHRI Researchers. KPWHRI Seminar, Seattle, WA, Virtual. September 2021

**Cruz M**. Doing it All with R Markdown – A Tutorial. R-Ladies Irvine, Irvine, CA, November 2018

**Cruz M**, Osilla KC, Paddock SM. Examining Group Cohesion and Climate in an Intervention for First Time DUI Offenders. RAND Corporation, Santa Monica, CA, August 2018

**Cruz M**. My Higher Education Journey. Pomona Scholars of Math, Claremont, CA, February 2017

#### Conferences and Symposiums

**Cruz M**, Shortreed SM, Coley Y. Evaluating Clinical Implementation of Risk Prediction-Based Interventions using Difference-in-Differences

Eastern North American Region (ENAR), New Orleans, LA, March 2025

Western North American Region (WNAR), Fort Collins, CO, June 2024

Association for Women in Mathematics Research Symposium, Atlanta, GA, September 2023

**Cruz M**. Assessing Healthcare Interventions via Interrupted Time Series Methods, LatMath, Los Angeles, CA, March 2025

**Cruz M**, Coley Y. A Simulation Framework for Understanding the Impact of Structural Racism on Clinical Prediction Models and Evaluating Bias-mitigating Methods, International Conference on Health Policy Statistics, San Diego, CA, January 2025

**Cruz M**. My Statistically Significant Journey. Enhancing Diversity in Graduate Education Summer Symposium, Atlanta, GA, Keynote, July 2022

**Cruz M**, Ombao H, Bender M, Gillen DL. A Formal Test for The Existence of a Change Point in Interrupted Time Series. Western North American Region (WNAR), Virtual, June 2021

### Panels

What I Know Now That I Wish I Knew Then. Women in Statistics and Data Science, Bellevue, WA, October 2023

Seattle Stat Summer Research Careers in Biostatistics and Public Health Panel. Fred Hutchinson Cancer Research Center, Seattle, WA, July 2023

The Alternative Hypothesis: Underrepresented (Bio)Statisticians Share Graduate School Experiences. Western North American Region (WNAR), Virtual, June 2022

Life Outside Millikan – Alumni Panel. Pomona College, Claremont, CA, May 2019

Graduate School Panel Discussion. StatFest, American Statistical Association Committee on Minorities in Statistics, Claremont, CA, September 2018

Questbridge Alumni Panel for First-Generation/Low-Income Students. Pomona College, Claremont, CA, April 2018

## 13. OTHER PRESENTATIONS

### Conferences and Symposiums

#### *International*

**Cruz M**, Shortreed SM, Coley Y. Evaluating Clinical Implementation of Risk Prediction-Based Interventions using Difference-in-Differences, Joint Statistical Meetings (JSM), Portland, OR, Contributed, August 2024

**Cruz M**, Gillen DL, & Holbrook A. A Mixed-Effects Interrupted Time Series Model for Assessing Complex Healthcare Interventions Across Multiple Units. Joint Statistical Meetings, Washington DC, Topic-contributed, August 2022

**Cruz M**, Ombao H, & Gillen DL. A Generalized Interrupted Time Series Model for Assessing Complex Health Care Interventions.

International Conference on Health Policy and Statistics, San Diego, CA, Contributed, January 2020

Joint Statistical Meetings, Denver, CO, Contributed, July 2019

Western North American Region, Portland, OR, Student Session, June 2019

**Cruz M**, Gillen DL, Bender M, & Ombao H. Assessing Health Care Interventions via an Interrupted Time Series Model: Study Power and Design Considerations.

Joint Statistical Meetings, Vancouver, British Columbia, Canada, Contributed, July 2018

Western North American Region, Edmonton, Alberta, Canada, Student Session, June 2018

Eastern North American Region, Atlanta, GA, Contributed, March 2018

**Cruz M**, Bender M, & Ombao H. A Robust Interrupted Time Series Model for Analyzing Complex Health Care Intervention Data. Joint Statistical Meetings, Baltimore, MD, Topic-contributed. August 2017.

*National*

**Cruz M**, Ombao H, & Gillen DL. A Generalized Interrupted Time Series Model for Assessing Complex Health Care Interventions. Women in Statistics and Data Science Conference, Bellevue, WA, Poster, October 2019

**Cruz M**, Bender M, & Ombao H. A Robust Interrupted Time Series Model for Analyzing Complex Health Care Intervention Data.

Academy Health Annual Research Meeting, New Orleans, LA, Poster, June 2017

Association for Women in Mathematics Research Symposium, Los Angeles, CA, Poster, April 2017

**Cruz M**. Completing Partial Matrices to Satisfy the Anticommutativity Equation.

Nebraska Conference for Undergraduate Women in Mathematics, Lincoln, NE, Poster, January 2013

Society for Advancement of Chicanos and Native Americans in Science, Seattle, WA, Poster, October 2012

*Local*

**Cruz M**, Hardin J, Radunskaya A. Averages in the Period 2 Region of the Logistic Map

Claremont Center for the Mathematical Sciences, Claremont, CA, Poster, September 2013

Annual Summer Research Poster Conference, Claremont, CA, Poster, September 2013