

Prasad B. Bhoite

CONTACT INFORMATION

Department of Humanities, Health,
and Society,
Herbert Wertheim College of Medicine
Florida International University
11200 SW 8th Street, AHC2-554-B
Miami, FL 33199

Email: pbhoite@fiu.edu
Phone: (305) 348-9138
Fax: (305) 348-1495

EDUCATION

| | | |
|----------|--|------|
| M.S. | <i>Data Science and Artificial Intelligence</i> School of Computing and Information Sciences Florida International University, Miami, FL | 2022 |
| M.P.H. | <i>Epidemiology</i> Robert Stempel College of Public Health and Social Work Florida International University, Miami, FL | 2016 |
| M.B.A. | <i>Healthcare Administration</i> School of Healthcare Administration, Pune, India | 2014 |
| B.H.M.S. | <i>Bachelor of Homoeopathic Medicine and Surgery</i> L.M.F.'s Homoeopathic Medical College, Pune, India | 2009 |

ACADEMIC POSITIONS/EMPLOYMENT

| | |
|-------------------|---|
| 06/2016 – present | <i>Data Scientist</i> Department of Humanities, Health, and Society, Herbert Wertheim College of Medicine, Florida International University, Miami, FL. |
| 04/2015 – 06/2016 | <i>Graduate Assistant</i> Office of Analysis and Information Management, Florida International University, Miami, FL. |
| 10/2014 – 04/2015 | <i>Student Assistant</i> Herbert Wertheim College of Medicine, Florida International University, Miami, FL |
| 05/2009 – 07/2014 | <i>Clinical Assistant</i> 'PRAYAS' NGO Amrita Clinic, Pune, India |
| 01/2009 – 12/2009 | <i>Resident</i> Mankar Pediatric Hospital, Pune, India |
| 07/2008 – 12/2008 | <i>Resident</i> Madhukar General Hospital, Pune, India |

ADDITIONAL TRAINING/CONTINUING EDUCATION:

- 2024 FIU-RCMI: Machine Learning Modeling with the R Tidymodels Ecosystem: Who Knows, Who Cares, Why Bother..." Conducted by Dr. Raymond Balise. In-person One-day workshop on February 02, 2024.
- 2023 Microsoft Azure Data AI: Machine Learning in a day Workshop. Conducted by Shawn Nakhostin. (Microsoft Trainer) Virtual One-day workshop on February 28, 2023.
- 2023 Amazon Web Services (AWS) Machine Learning & AWS Sagemaker Immersion Day Workshop. Conducted by Steve Fu & Kas Parthasarathy (Amazon Trainers). Virtual One-day workshop on February 10, 2023.
- 2022 Introduction to Quarto Reports and Notebooks: Literature Computing in R, Python, or Julia, organized by Section on Statistical Programmers and Analysts, conducted by Dr. Gabriel Odom. Virtual Half-day workshop.
- 2022 Azure Cloud Week- Data & Synapse DP-900: Microsoft Azure Data Fundamentals, Instructor guided, virtual 4-day workshop.
- 2022 Azure Cloud Week- Data & Synapse PL-300 Power BI Data Analyst Associate, Instructor guided, virtual 4-day workshop.
- 2022 SQL Conference: Writing T-SQL—Learn to Write Better Queries. Instructor guided, virtual 4-day workshop.
- 2022 Azure Cloud Week- Developer week: Microsoft Azure AI Fundamentals, Instructor guided, virtual 1-day workshop
- 2020 Microsoft PowerBI Training Workshop- Conducted by Mr. Jeffrey Smith (Microsoft Trainer) on August 11 and 13, 2020.
- 2020 “Tearing down barriers to Publication”, R Markdown workshop, FIU-RCMI professional development 1 day workshop by Dr. Raymond Balise and Layla Bouzoubaa, Miami, FL.
- 2019 Intermediate and Advanced Topics in Logistic Regression, 1 day workshop by Dr. David W. Hosmer, Miami, FL.
- 2017 Data Visualization, 1 day workshop by Dr. Edward Tufte, Miami, FL

PUBLICATIONS

PubMed

<https://pubmed.ncbi.nlm.nih.gov/?term=Prasad+Bhoite&size=200>

Google Scholar

<https://scholar.google.com/citations?hl=en&user=2M3FA64AAAAJ>

Peer Reviewed Journal Articles (Total: 14)

1. Roshan M, O'Connell R, Nazarally M, Rodriguez de la Vega P, **Bhoite P**, Bisschops J, Varella M: Bridging Gaps: Analyzing Breast Imaging-Reporting and Data System (BI-RADS) 0 Rates and Associated Risk Factors in Disproportionally Affected Communities. Cureus (2024). <https://doi.org/10.7759/cureus.61495>
2. Nusynowitz J, Jamneshan L, **Bhoite P**, Garba N, Samuels M, Stumbar S: Medical Students' Knowledge and Perceptions of Mpox in a High Incidence Region: Implications for Clinical Preparedness. PRiMER (2023). <https://doi.org/10.22454/2FPRiMER.2023.120676>
3. Mayhew M, Denton A, Kenney A, Fairclough J, Ojha A, **Bhoite P**, Hey M, Seetharamaiah R, Shaffiey S, Shneider G: Social deprivation, the Area Deprivation Index, and emergency department utilization within a community-based primary and preventive care program at a Florida medical school. J Public Health (Berl.) (2023). <https://doi.org/10.1007/s10389-023-01871-y>
4. Garba NA, Sacca L, Clarke R, **Bhoite P**, Buschman J, Oller V, Napolitano N, Hyppolite S, Lacroix S, Archibald A, Hamilton O, Ash T, Brown DR.: Addressing Food Insecurity during the COVID-19 Pandemic: Intervention Outcomes and Lessons Learned from a Collaborative Food Delivery Response in South Florida's Underserved Households. Int J Environ Res Public Health. 2022 Jul 2;19(13):8130. <https://doi.org/10.3390/ijerph19138130>
5. Garba NA, Anderson F, Schneider GW, Bisschops J, **Bhoite P**, Lage OO, Sackstein R, Brown DR.: Caring for Vulnerable Communities in Miami Dade County during the COVID-19 Pandemic. J Health Care Poor Underserved. 2021;32(2):598-606. <https://doi.org/10.1353/hpu.2021.0088>
6. Madhivanan P, Pierre-Victor D, Mukherjee S, **Bhoite P**, Powell B, Jean-Baptiste N, Clarke R, Avent T, Krupp K.: Human Papillomavirus Vaccination and Sexual Disinhibition in Females: A Systematic Review. Am J Prev Med. 2016 Sep;51(3):373-83. <https://doi.org/10.1016/j.amepre.2016.03.015>
7. Stumbar SE, Garba NA, de la Cruz M, **Bhoite P**, Holley M, Adams C, Virani A, Kale N.: Sexual Health Teaching in the Family Medicine Clerkship: Results of a CERA Survey. PRiMER. 2021 Jul 9;5:29. <https://doi.org/10.22454/primer.2021.503960>

8. Stumbar SE, Garba NA, de la Cruz M, **Bhoite P**, Uchiyama E.: Integration of Sex and Gender Minority Standardized Patients into a Workshop on Gender-Inclusive Patient Care: Exploring Medical Student Perspectives. *South Med J*. 2022 Sep;115(9):722-726. <https://doi.org/10.14423/smj.0000000000001435>
9. Sairenji T, Stumbar SE, Garba NA, **Bhoite P**, de la Cruz MS, Stubbs C, Emerson J, Babalola D, Kelley D, Everard KM.: Moving Toward a Standardized National Family Medicine Subinternship Curriculum: Results From a CERA Clerkship Directors Survey. *Fam Med*. 2020 Jun;52(7):523-527. <https://doi.org/10.22454/fammed.2020.209444>
10. Stumbar SE, Garba NA, Stevens M, Gray E, Uchimaya E, **Bhoite P**.: Using a Hybrid Lecture and Small-Group Standardized Patient Case to Teach the Inclusive Sexual History and Transgender Patient Care. *South Med J*. 2021 Jan;114(1):17-22. <https://doi.org/10.14423/smj.0000000000001197>
11. Stumbar SE, Garba NA, **Bhoite P**, Ravelo N, Shringarpure N.: Pilot Study of a Free Long-Acting Reversible Contraception Program on a Mobile Health Center in Miami Dade County, Florida. *J Immigr Minor Health*. 2020 Apr;22(2):421-425. <https://doi.org/10.1007/s10903-019-00937-y>
12. Ward-Peterson M, Fennie K, Mauck D, Shakir M, Cosner C, **Bhoite P**, Trepka MJ, Madhivanan P.: Using multilevel models to evaluate the influence of contextual factors on HIV/AIDS, sexually transmitted infections, and risky sexual behavior in sub-Saharan Africa: a systematic review. *Ann Epidemiol*. 2018 Feb;28(2):119-134. <https://doi.org/10.1016/j.annepidem.2017.11.006>
13. **Bhoite P**, Griffin I, Madhivanan P. Letter to the Editor: Robotic assisted hysterectomy in obese patients: a systematic review. *Arch Gynecol Obstet*. 2016 Aug;294(2):433-4. <https://doi.org/10.1007/s00404-016-4121-y>
14. Schneider G, Gillis M., Kirchmer K, **Bhoite P**, Castellanos N.: Guests, hosts, and teaching the ethics of service learning in medicine. *International Journal of Ethics Education* **5**, 67–82 (2020). <https://doi.org/10.1007/s40889-019-00080-0>

Conference Proceedings Papers (Total: 2)

1. Williams R, Alonso M Jr, **Bhoite P**, Veledar E, Bursac Z. (2020). A Comparison of Machine Learning Models for Mortality Prediction: NHANES III. In *JSM Proceedings, Section on Statistical Learning and Data Science*. Alexandria, VA: American Statistical Association. 2320-2325.
2. Kulkarni V., Parchure R., **Bhoite P**. *et al.*: Biliary tract malignancies in HIV infected persons: a case series. *BMC Infect Dis* **14** (Suppl 3), E37 (2014). <https://doi.org/10.1186/1471-2334-14-S3-E37>

Conference Abstracts (Total: 29)

1. **Bhoite P**, Clark C, Patel K, Clarke R, Garba N: Effortless Access to Household Pulse Survey Datasets with {hpsr}: An R Data Package. In: 2024 Joint Statistical Meeting, American Statistical Association. 2024 August 3-8; Portland, Oregon (OR), USA.
2. Desai A, Rodriguez P, Castro G, **Bhoite P**, Bisschops J, Varella M: Assessing Key Factors for Timely Follow-up after Inconclusive Screening Mammograms within Patients of the Linda Fenner Mobile Mammography Center. In: FIU Herbert Wertheim College of Medicine's 10th Annual Research Symposium. 2024 April 19th; Miami, Florida (FL), USA. **[Won the best poster award]**
3. Tapia A, Pereslete A, Siretskiy R, Merlino E, Jim C, Clarke R, **Bhoite P**, Bisschops J: Empowering Medical Students to Deliver Breast Health Education: A Community-Based Initiative. In: 41st Annual Miami Breast Cancer Conference, 2024, March 08; Miami, Florida (FL), USA.
4. Roshan M, O'Connell R, Nazarally, Rodriguez P, Bhoite P, Bisschops J, Varella M: Inconclusive Mammograms in Mobile Mammography Center: Implications for Breast Cancer Detection in Uninsured Women. In: National Consortium of Breast Cancers (NCoBC) 2024 at the 33rd Annual Interdisciplinary Breast Center Conference, 2024 March 15th -19th; Las Vegas, Nevada (NV), USA.
5. Desai A, Rodriguez P, Castro G, **Bhoite P**, Bisschops J, Varella M: Assessing Key Factors for Timely Follow-up after Inconclusive Screening Mammograms within Patients of the Linda Fenner Mobile Mammography Center. In: National Consortium of Breast Cancers (NCoBC) 2024 at the 33rd Annual Interdisciplinary Breast Center Conference, 2024 March 15th -19th; Las Vegas, Nevada (NV), USA.
6. Alarcon L, **Bhoite P**, Clarke R: An Academic-Community Partnership to Promote Socially Accountable Medical Education through Household-Centered Care. In: 2024 STFM Annual Spring Conference, 2024 May 04- May 08; Los Angeles, California (CA).
7. Mukherjee S, **Bhoite P**, Chowdhury M: Learning and intellectual disabilities: An analysis of national survey of children's health data from 2016--2021. In: 2023 American Public Health Association, Annual Meeting & Expo, 2023 Nov 12- Nov 15; Atlanta, Georgia (GA).
8. Siretskiy R, Newsholme A, Moscoso N, Alarcon L, **Bhoite P**, Clarke R, Stumbar S: Medical students' knowledge, attitudes, beliefs and perspectives on substance-use and harm reduction. In: 2nd Annual Florida Harm Reduction Conference. 2023 Nov 6- Nov 8; Miami, Florida (FL).
9. Nusynowitz J, Jamneshan L, **Bhoite P**, Stumbar S, Garba NA, Samuels M.: From Classroom to Clinic: Medical Students' Perceived Knowledge and Attitudes on High-Incidence Mpox. In: 2023 American College of Physicians Southern California Regions

Annual Scientific Meeting at UCLA, October 7, 2023; Los Angeles, CA. **[Won 1st place in the Innovation Award for Medical Students]**

10. Yatham P, George S, Chintamaneni S, Malik, **Bhoite P**, Clarke R, Brito S, Pedoussaut M: The Prevalence of Obesity: Analyzing an Uninsured Population. In: 2023 Obesity Society Annual Meeting, Obesity Week Conference, October 14-17, 2023; Dallas, Texas.
11. Roshan M, O'Connell R, Nazarally, Rodriguez P, **Bhoite P**, Bisschops J, Varella M: Predictors of Inconclusive Screening Mammogram Results in Uninsured Women of Miami-Dade County. In: 2023 Florida Medical Association Conference, July 28-July 30, 2023; Orlando, FL.
12. Garza K, Latta S, Helbig S, Maya J, Eskra J, Brown-Whalen A, **Bhoite P**, Busatto C, Brito S, Anderson F: Medical Student Efforts to Address COVID-19 Vaccine Hesitancy in Underserved Communities. In: 2023 University of Miami, Department of Community Service (DOCS) Community Health Leadership Conference, April 21, 2023; Miami, FL.
13. Schwartz B, Larancuent C, Wickremasinghe P, **Bhoite P**, Clarke R, Schneider G: Assessment of Firearm Violence Prevention Integration in Medical School Curricula Participants. In: 2023 STFM Annual Spring Conference, April 29-May 3, 2023; Tampa, FL.
14. Nusynowitz J, Jamneshan L, **Bhoite P**, Stumbar S, Garba NA, Samuels M.: Assessing Emerging Disease Preparedness: Mpox Knowledge and Attitudes Among U.S. Medical Students Participants. In: 2023 STFM Annual Spring Conference, April 29-May 3, 2023; Tampa, FL.
15. **Bhoite P**, Garba NA, Sacca L, Clarke R, Narasimhan, G.: Predicting COVID-19 Vaccine Hesitancy Among US Adults Using Classification Machine Learning Algorithms and the Household Pulse Survey. In: 2022 American Public Health Association, Annual Meeting & Expo, 2022 Nov 06- Nov 09; Boston, Massachusetts (MA).
16. Sacca L, **Bhoite P**, Clarke R, Garba NA.: Comparing Parental Vaccine Hesitancy and Socio-Demographics between COVID-19 and Human Papilloma Virus Vaccine: Lessons Learned. In: 2022 American Public Health Association, Annual Meeting & Expo, 2012 Nov 06- Nov 09; Boston, Massachusetts (MA).
17. Garba NA, Sacca L, Clarke R, **Bhoite P**, Buschman J et al.: A Collaborative Food Delivery Response to Address Food Insecurity in Underserved South Florida's Households during the COVID-19 Pandemic. In: 2022 RCMI Consortium National Conference March 16-18, 2022.
18. Stumbar SE, Garba NA, de la Cruz M, **Bhoite P**, Uchiyama E.: The Integration of Sex and Gender Minority Standardized Patients Into a Workshop on Gender-Inclusive Care In: 2022 Society of Teachers of Family Medicine (STFM) Annual Spring Conference, Indianapolis, USA, April 30 - May 4, 2022.
19. Oliveira J, Lage O, Clarke R, Gonzalez R, **Bhoite P**, Rodriguez A, Busatto C, Schneider G, Oller V, Brown D.: A Household Centered Care Approach and Community Partnership Approach to Reducing Emergency Department Utilization. In: The Baptist Health South Florida Continuing Medical Education Program, 2021 Primary Care Focus Symposium

Online. [Virtual due to COVID-19 pandemic]

20. Rodriguez A, Schneider G, Lage O, Oliveira J, Garba NA, **Bhoite P**, Busatto C, Brown D.: “Telehousehold Visits”: Systematically Addressing Social Determinants of Health Related to COVID-19 and Beyond. In: The Baptist Health South Florida Continuing Medical Education Program, 2021 Primary Care Focus Symposium Online. [Virtual due to COVID-19 pandemic]
21. Williams R, Alonso M Jr, **Bhoite P**, Veledar E, Bursac Z.: A Comparison of Machine Learning Models for Mortality Prediction: NHANES III. In: 2020 Joint Statistical Meeting-Section on Statistical Learning and Data Science, Philadelphia, PA. [Virtual due to COVID]
22. Hammad Z, Virani A, Stumbar SE, Garba NA, **Bhoite P**, Samuels M.: Impact of a Brief Dermatology Teaching Session During the Third Year Family Medicine Clerkship. In: 2020 STFM Conference on Medical Student Education in Portland (OR), January 30-February 2, 2020.
23. Stumbar SE, Garba NA, **Bhoite P**, Ravelo N, Shringarpure N.: Implementation of a Long-Acting Reversible Contraception Program on a Mobile Health Center in Miami-Dade County, Florida: A Pilot Quality Improvement Analysis. In: 52nd Society of Teachers of Family Medicine (STFM) Annual Spring Conference, Toronto, Canada, April 27 - May 1, 2019.
24. Schneider G, Gillis M., Kirchmer K, **Bhoite P**, Castellanos N.: Guests and Hosts: The Odyssey as a Teaching Tool for the Ethics of Home Visits. In: International Humanities Health Consortium, Stanford, California. 2018.
25. Castellanos N, Anderson F, Whisenant E, **Bhoite P**.: Teaching Social Determinants of Health, Transforming Care Delivery, and Providing Community Benefit: The NeighborhoodHELP Medical-Legal Partnership. In: 2017 National Center for Medical-Legal Partnership Annual Summit, Washington DC. April 6, 2017.
26. **Bhoite P**, Sastre F, Brock-Getz P, Ladner R, Valle-Schwenk C.: Disparities in Viral Load Suppression among New and Established Clients of Ryan White HIV/AIDS program in Miami Dade County, Florida. In: 2016 American Public Health Association, Annual Meeting & Expo, 2016 Oct 29- Nov 02; Denver, Colorado (CO).
27. **Bhoite P**, Cyrus E, Madhivanan P, Leon S, Lama J, Sanchez J, Altice F.: Prevalence of Illicit Drug Use, Alcohol Use, and Depression among Female Prisoners in Lima, Perú. In: 2016 Epidemiology Congress of Americas, 2016 June 21-24; Miami, Florida (FL): EpiCongress; 2016.
28. **Bhoite P**, Cyrus E, Madhivanan P, Leon S, Lama J, Sanchez J, Altice F.: Prevalence of Illicit Drug Use, Alcohol Use, and Depression among Female Prisoners in Lima, Perú. In: The Women, Sexuality, and Gender Studies Association’s 16th WSGSA Annual Conference, 2015 Nov 03; Miami, Florida (FL).

29. Kulkarni V, Parchure R, **Bhoite P**, Gadhikar H.: Biliary tract malignancies in HIV infected persons: a case series. In: 2nd International Science Symposium on HIV and Infectious Diseases (HIV SCIENCE 2014) Chennai, India. 30 January - 1 February 2014.

MANUSCRIPTS UNDER REVIEW/ REVISION (Total: 2)

1. Schneider G, Fairclough J, **Bhoite P**, Mayhew M, Denton A, Kenney A, Ojha A, Hey M, Seetharamaiah R, Shaffiey S: *The Risk of Catastrophic Surgical Expenditure within a Community-Based Primary and Preventive Care Program at a Florida Medical School: A Modeling Study*. Submitted to Journal of Health Equity (Submission ID: 246917731)
2. Stumbar SE; Garba NA; Khamisani N; **Bhoite P**; Uchiyama E; Saunders J; Panisch C; Peluffo A; *Abdominal Pain in a Gender Diverse Patient: A Standardized Patient Case for 2nd Year Medical Students*. Submitted to Annals of LGBTQ Public and Population Health.

INVITED PRESENTATIONS (Total: 9)

1. **Bhoite P**, Clark C, Patel K, Clarke R, Garba N: {hpsr}: Simplifying household pulse survey data access. In: 2024 American Public Health Association, Annual Meeting & Expo, 2024 Oct 27- Oct 30; Minneapolis, Minnesota (MN). Session- Applications Using Health Data. Program: Applied Public Health Statistics. Oral Presentation. [Will be presented in Oct 2024]
2. **Bhoite P**, Clarke R, Clark C, Gonzalez I, Cespedes T, Wilson C, Bursac Z, Brown D: Examining the impact of NeighborhoodHELP on emergency department utilization. In: 2024 American Public Health Association, Annual Meeting & Expo, 2024 Oct 27- Oct 30; Minneapolis, Minnesota (MN). Session- Applications of Complex Health Data and Analysis. Program: Applied Public Health Statistics. Oral Presentation. [Will be presented in Oct 2024]
3. Ovalles, A., Valle, M., Santoyo, K., **Bhoite P**, Clarke R., Alarcon L: Empowering Future Physicians: Enhancing Naloxone Competency through Early Harm Reduction Training in Medical Education. In: Dade County Medical Association's 2024 Residents and Medical Students Research Competition. 2024 March 2nd; Miami, Florida (FL), USA.
4. Anthonio G; Ukani Z; Barengo N; Rodriguez de la Verga P; **Bhoite P**; Camps- Romero E; Lage O: The Association Between Adverse Childhood Experiences and Cardiometabolic Outcomes Among Green Family Foundation NeighborhoodHELP Patients in Miami from 2016 to 2021: A Pilot Study. In: FIU Herbert Wertheim College of Medicine's 9th Annual Research Symposium. 2023 April 21st; Miami, Florida (FL), USA.
5. **Bhoite P** and Gonzalez I, Clarke R, Brown D, Bursac Z: (2022, October). Using R to Extract, Organize, and Analyze Complex SDOH Data. Paper presented at Data Science Conference US Health 22, Miami, FL.

6. Bursac Z, Williams R., Rodriguez A, **Bhoite P**, Gonzalez I, Canizares C, Odom G.: (2022, October). FIU Department of Biostatistics: Overview and our Data Science Work. Data Science Conference US Health 22, Miami, FL.
7. Schneider G, Denton A, Hey M, Mayhew M, Kenney A, Fairclough J, Ojha A, **Bhoite P**, Seetharamaiah R, Shaffiey S.: (2022, November). Predicting the Risk of Catastrophic Surgical Expenditure in a Community-Based Primary and Preventative Care Program. Session- Promoting Health through Financial Wellness. Program: Community Health Planning and Policy Development. Oral Presentation. APHA 2022, Boston, MA.
8. Bursac Z, Rodriguez A, Williams R, **Bhoite P**, Gonzalez I, Canizares C, Odom G. R for Data Science in Public Health. International Data Science Conference Europe 22, Belgrade, Serbia.
9. Schneider G, Gillis M., Kirchmer K, **Bhoite P**, Castellanos N.: Guests and Hosts: The Odyssey as a Teaching Tool for the Ethics of Home Visits. International peer-reviewed bioethics education web portal, the Cambridge Consortium Bioethics Education Resource Portal. November 2018. (<https://www.bedr.education/new-page-1>)

HONORS AND AWARDS

2023

- Service Excellence Award, Herbert Wertheim College of Medicine, Florida International University, Miami, FL

2015-2016

- Graduate assistantship, Florida International University, Miami, FL

2014-2015

- Graduate assistantship, Florida International University, Miami, FL

SKILLS & CERTIFICATIONS

- SQL Databases: Microsoft SQL server, PostgreSQL, MySQL, Oracle SQL Developer
- NoSQL Databases: MongoDB
- Programming Languages/Frameworks: Python, R, Scala, HTML, Apache Spark
- Statistical and Geospatial Tools: SAS, SPSS, STATA, G- Power, ArcGIS, EpiInfo7, Atlas.ti, NLM Scrubber
- Business Intelligence Tool: Microsoft PowerBI, Tableau, Qlik Sense
- Version Control: Git, GitHub, Azure DevOps
- Cloud: Microsoft Azure, Amazon Web Services.
- Reference manager: EndNote, RefWorks, Zotero
- Python Libraries: numpy, Pandas, scikit-learn, XGBoost, imblearn, matplotlib, seaborn,

TensorFlow 1.0 & 2.0, nltk, spaCy, PyTorch, OpenCV

- R Libraries: tidyverse stack, ggplot2, glm, pls, MASS, survminer
- Microsoft certified: Azure AI Fundamentals
- Microsoft certified: Data Engineer Associate
- Microsoft certified: Azure Data Fundamentals
- Microsoft certified: Azure Fundamentals
- Microsoft certified: Power BI Data Analyst
- CITI Human Subjects Research- Biomedical Human Research Course
- CITI Human Subjects Research- Social/Behavioral Research Course
- CITI Good Clinical Practice Course
- CITI Conflict of Interest
- CITI Health Information Privacy and Security (HIPS) for Clinical Investigators
- NIH- Protecting Human Research Participants
- Research Administrators Certificate Course- Office of Research & Economic Development, FIU
- FIU Cybersecurity Awareness
- FERPA- Family Educational Rights and Privacy Act Certificate
- Patient Privacy & Information Security Practices

EDITORIAL & SCIENTIFIC REVIEW

Reviewer- Journal

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|----------------|---|
| 2021 – Present | Reviewer, American Journal of Sexuality Education |
| 2023 – Present | Reviewer, Qeios |
| 2024 – Present | Reviewer, Global Advance in Integrative Medicine and Health |
| 2024 – Present | Reviewer, Journal of Health Economics and Outcomes Research |
| 2024 – Present | Reviewer, American Journal of Public Health |
| 2024 – Present | Reviewer, Global Health Promotion |
| 2024 – Present | Reviewer, American Journal of Preventive Medicine |
| 2024 – Present | Reviewer, Family Medicine |
| 2024 – Present | Reviewer, Southern Medical Journal |

MENTORING

Junior Employee Mentoring

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|-----------|---------------|-----------------|
| 2017-2020 | Daniel Parras | Data Analyst I |
| 2020-2021 | Anuj Ojha | Data Analyst I |
| 2022-2023 | Bryan Cicale | Data Analyst II |

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| 2023-Present | Christopher Clark | Data Analyst II |
| 2023-Present | Krupa Patel | Data Analytics Intern/Student Assistant |

Preceptorship Faculty Advisor/Preceptor

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|------|--|---|
| 2017 | Avinash Ramanathan Daniel Parras | Master of Public Health (MPH) Practicum Internship, FIU |
| 2018 | Nadia Mirza Lilian Garvin Ummay Hani Tithy | Master of Public Health (MPH) Practicum Internship, FIU Master of Public Health (MPH) Practicum Internship, FIU Master of Public Health (MPH) Practicum Internship, FIU |
| 2019 | Yazmine De La Cruz | Master of Public Health (MPH) Practicum Internship, FIU |
| 2020 | Mark J. Tirana | MS in Health Informatic and Analytics Practicum Internship), FIU |
| 2021 | Yandhira Figueroa Raquel Ojeda | Master of Public Health (MPH) Practicum Internship, FIU MS in Health Informatic and Analytics Practicum Internship), FIU |
| 2022 | Alexander Bembery III | MS in Health Informatic and Analytics Practicum Internship, FIU |

RESEARCH SUPPORT

Active

| Agency | Title | PI | Role |
|--|--|------------------------|----------------------------------|
| Florida Blue Foundation | Characterizing the Impact of NeighborhoodHELP on COVID-19 Related Outcomes. | Dr. Nana Aisha Garba | Data Scientist/Analyst |
| NIH-RADx-UP | Community-Engaged Research on COVID-19 Testing Among Underserved and/or Vulnerable Populations | Dr. David Brown | Data Scientist/Analyst (In kind) |
| Florida Department of Health in Miami-Dade | FIU Thrive: a mobile health application (app) and research database that will systematically assess social needs and provide personalized care plans and tailored resource and service navigation. | Dr. David Brown | Data Scientist/Analyst |
| FIU- HHS | Outcomes of a Free Breast Cancer Screening Program for Underserved Women in Miami-Dade County | Dr. Julia Bisschops | Data Scientist/Analyst |
| Florida Association of Free and | Championing Cancer Screenings and Primary Care in Miami-Dade County | Dr. Frederick Anderson | Data Scientist/Analyst |

Charitable Clinics
(FAFCC)

PROFESSIONAL SOCIETIES AND ORGANIZATIONS

- American Public Health Association: 2016-present
- American Statistical Association: 2022-present
- Stempel Public Health Association: August 2014-present
- PyData Miami: 2019- Present
- R-Ladies Miami: 2020- Present

ACADEMIC SERVICE AND COMMITTEE

Department of Humanities, Health, and Society, College of Medicine, FIU

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|------------------------|--|---|
| Fall-2016 - Present | Data Management and Quality Improvement Committee | Role: Chair. Creation and Implement of all research data initiatives |
| Fall-2016 - Present | Data Management and Quality Improvement Committee | Role: Chair. Creation and Implement of all research data initiatives |
| Fall-2016 | NHELP Steering Committee | Role: Member. Strategic decision-making pertaining to the departmental data. |
| Fall-2018 | Program Evaluator-Search and Screen Committee | Role: Chair. Applications Screening, Interviewing & recommending the candidates |
| 2018-2021 | Data Standardization Workgroup | Role: Lead. Creation and Implementation of Data Standardization Plan. |
| Fall-2020 | Program Evaluator-Search and Screen Committee | Role: Member. Applications Screening, Interviewing & recommending the candidates |
| 2021-2022 | Electronic Medical Record- Search and Selection Committee | Role: Member. As a data reporting subject matter expert. |
| Spring-2023 | Program Evaluator-Search and Screen Committee | Role: Member. Applications Screening, Interviewing & recommending the candidates |

Department of Biostatistics, Robert Stempel College of Public Health and Social Work, FIU

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| Fall-2020 - Present | Center for Statistical Consulting and Collaboration | Role: Affiliated Data Scientist. Statistical, Data Management, Business Intelligence, Machine Learning Consulting. |
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VOLUNTEER SERVICE

- Member, Holiday Toy Drive- For children in Underserved Community in Miami Dade County. Each December. 2016 – Present
- Member, Wertheim Conference- ArtSci For children in Underserved Community in Miami Dade County. Each December. 2016 – Present

- Volunteered at Baynanza 2016, Biscayne Bay Cleanup Day on April 16th, 2016. Baynanza is an annual event, offered as a community service program by Miami Dade County's Regulatory & Economic Resources Department.

REFERENCES

Available Upon Request