

# Prasad B. Bhoite

## CONTACT INFORMATION

Department of Humanities, Health,  
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## 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.
09/2015 – 05/2016	<i>Research Assistant</i> Department of Epidemiology, 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      *Resident*  
Madhukar General Hospital, Pune, India

#### **ADDITIONAL TRAINING/CONTINUING EDUCATION:**

- 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: 11)*

1. 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>
2. 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>
3. 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>
4. 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>
5. 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>
6. 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>
7. 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>

8. 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>
9. 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>
10. **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>
11. 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: 15)*

1. 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.
2. **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). <https://apha2022sessions.hubb.me/AbstractDetail.aspx?id=918781>

3. 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).  
(<https://apha2022sessions.hubb.me/AbstractDetail.aspx?id=912247>)
4. 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.
5. 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.
6. 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]
7. 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]
8. 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]
9. 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.
10. 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: 52<sup>nd</sup> Society of Teachers of Family Medicine (STFM) Annual Spring Conference, Toronto, Canada, April 27 - May 1, 2019.
11. 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.
12. 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.

13. **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).
14. **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.
15. 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: 4)

1. Mayhew M; Denton A; Kenney A; Fairclough J; Ojha A; **Bhoite P**; Hey M; Seetharamaiah R; Shaffiey S; Schneider G; *Social Deprivation, the Area Deprivation Index, and Emergency Department Utilization within a Community-Based Primary and Preventative Care Program at a Florida Medical School*. Submitted to Journal of Community Health.
2. Sacca L; **Bhoite P**; Clarke R; Garba N; *Vaccine Hesitancy Reasons and Socio-Demographics of Vaccine Hesitant Parents for COVID-19 and HPV Adolescent Vaccination: A Comparison of Two National Datasets*. Submitted to Youth.
3. Ukani Z; Anthonio G; 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*. Submitted to The Cureus Journal of Medical Science.
4. 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 MedEdPORTAL.

#### INVITED PRESENTATIONS (Total: 5)

1. **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.
2. 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.

3. 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.
4. 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.
5. 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

### 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
- Cloud: Microsoft Azure
- 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: 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*

2022 – Present     American Journal of Sexuality Education

## MENTORING

### Junior Employee Mentoring

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

### Preceptorship Faculty Advisor/Preceptor

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



## RESEARCH SUPPORT

### *Active*

Agency	Title	PI	Role
Florida Blue Foundation	Characterizing the Impact of NeighborhoodHELP on COVID-19 Related Outcomes.	Nana Aisha Garba	Data Scientist/Analyst
NIH-RADx-UP	Community-Engaged Research on COVID-19 Testing Among Underserved and/or Vulnerable Populations	David Brown	Data Scientist/Analyst
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.	David Brown	Data Scientist/Analyst
FIU- HHS	Outcomes of a Free Breast Cancer Screening Program for Underserved Women in Miami-Dade County	Julia Bisschops	Data Scientist/Analyst

## PROFESSIONAL SOCITIES 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

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

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