BIG DATA HEALTH SCIENCE CONFERENCE

6TH NATIONAL BIG DATA HEALTH SCIENCE CONFERENCE
February 13-14, 2025 | Columbia, SC

Conference Agenda
6TH NATIONAL BIG DATA HEALTH SCIENCE CONFERENCE

Unlocking the Power of Big Data in Health: Translating Data into Actionable Intelligence

February 13-14, 2025 | Pastides Alumni Center, Columbia, SC

Wednesday, February 12

Exploring SAS Viya: AI, Healthcare, and the Ethics of Data
Pre-Conference Workshop | USC Campus | Pre-registration required
1:00pm – 4:00pm
Rachel McLawhon, *SAS*

Thursday, February 13

Registration & Breakfast | Ballroom 2
8:00am – 9:00am

Plenary Sessions | Ballroom 3

Opening & Welcoming Remarks
9:00am – 9:15am
Julius Fridriksson, *Vice President for Research, University of South Carolina*
Introduced by Daniela Friedman, *Professor & Chair, Health Promotion, Education, and Behavior and Interim Associate Dean for Research, Arnold School of Public Health*

Tara Sabo-Attwood, *Dean, Arnold School of Public Health, University of South Carolina*
Introduced by Banky Olatosi, *Associate Professor, Health Services Policy and Management, Arnold School of Public Health, University of South Carolina*

Announcement of Case Competition Awards
9:15am – 9:30am
Tara Sabo-Attwood, *Dean, Arnold School of Public Health, University of South Carolina*
Banky Olatosi, *Associate Professor, Health Services Policy and Management, Arnold School of Public Health, University of South Carolina*

Large Databases and how They can Improve Diagnostic Accuracy in Epilepsy
9:30am – 10:15am
Leonardo Bonilha, *University of South Carolina*

Precision Diagnosis of Infections by Clinical Metagenomic Sequencing and RNA Host Transcriptome Profiling
10:15am – 11:00am
Charles Chiu, *University of California, San Francisco*

Coffee Break | Pre-function
11:00am – 11:15am

Trilemma in Synthetic Data: Realism, Security, and Utility
11:15am – 12:00pm
Nicholas I-Hsien Kuo, *University of New South Wales*

Lunch | Ballroom 2
12:00pm – 1:00pm

Underrepresented Minorities in Data Science Applied to Health: Career Development Luncheon | Presidential Dining Room | Pre-registration required
12:00pm – 1:30 pm

Poster Session I | Pre-function
12:00pm – 12:45pm

P1. An Empirical Study on the use of Large Language Models (LLMs) to Translate Recipes into a Semi-Structured Data Format
Vansh Nagpal *(University of South Carolina)*

P2. Association between Physical Activity and Depression Symptoms among Anemic and Non-Anemic Individuals: Findings from the 2007-2018 National Health and Nutrition Examination Survey
Maushmi K. Patel *(University of South Carolina)*

P3. Breast Cancer's Genetic Map: Revealing Racial Disparities with Genomic Tools
Anna Blenda *(University of South Carolina)*

P4. Characterization of Adults Diagnosed with Cancer in Haiti from January 2015 to September 2020
Emmanuel Julceus *(University of South Carolina)*

P5. Comparing the Efficacy of Two Models to Indirectly Predict Blood Pressure from Other Biosignals
Gavin Paull *(University of South Carolina)*

P6. Data Modeling and Analytics to Advance the Secondary use of Real-World Data in Healthcare Research
Denise S. Davis *(University of South Carolina)*

P7. Did the ACIP Policy Recommendation on Adolescent Vaccine Bundling Influence Same-Day Administration of Tdap-HPV Vaccines? Evidence from NIS-Teen 2011-2020
Ibitein Okeafor *(University of South Carolina)*

P8. Differentiated Service Delivery Model in Improving HIV Treatment Outcomes among Female Sex Workers in Gauteng Province, during the Covid-19 Pandemic – Study Protocol
Lifutso Motsieloa *(University of Johannesburg)*

P9. Factors Associated with Sexually Transmitted Infection Literacy among Men who Have Sex with Men and Transgender Women in Soweto: A Machine Learning Approach
Claris Siyamayambo *(University of Johannesburg)*

P10. Global Meta-Analysis of Adeno-Associated Virus Research: Advancements, Trends, and Challenges in Gene Therapy
Iris Valeria Balon *(University of South Carolina)*

P11. Latent Class Analysis of Suicidal Thoughts and Behaviors in a National Sample of High School Students
Taylor Giles *(University of South Carolina)*

P12. Leveraging Large Language Models for Systematic Reviewing: A Case Study Using HIV Medication Adherence Research
M. Naser Lessani *(Pennsylvania State University)*

P13. Postpartum Emergency Department Use Related to Mental Health and Substance Use Disorders by Race, Ethnicity, and Rural Residence in South Carolina
Peiyin Hung *(University of South Carolina)*

P14. Telemental Health Service Utilization among Children in Foster Care in a Southeastern State: The Roles of Child Race/Ethnicity, Urban/Rurality, and Mental Health Diagnoses
Nelis Soto-Ramirez *(University of South Carolina)*

P15. The Mechanistic Association between Cognition and Alzheimer's Disease Using Machine Learning Methods
Riddhik Basu *(North Carolina State University)*

Breakout Sessions (S1-S3)
1:00pm – 3:00pm

S1. Big Data Analytics and Emerging Methodologies
Ballroom 3
Moderator: Jiajia Zhang *(University of South Carolina)*

Do Neighborhood-Level Stressors and Resilience Factors Impact Alcohol Use among Sexual Minority Groups: Insights from the NIH All of Us Research Project
Chen Zhang *(University of Rochester)*

A Mapping Toolkit for Built Environment Auditing Based on Street View Imagery
Huan Ning *(Pennsylvania State University)*

COVID-19-Related Mortality: Association with Social Determinants of Health and Comorbidities among Hospitalized Medicaid Beneficiaries in Kentucky: 2020-2021
Shaminul Shakib *(University of Louisville)*

A Cubic Spline Estimation Approach for Time-Varying Mediation Effect Models and Application to Smoking Cessation Research
Jingwei Li *(University of South Carolina)*

A Digital Twin for Increasing Adherence to Dietary Guidelines with Personalized, AI-Driven, Long Duration Meal Recommendations
Siva Likitha Valluru *(University of South Carolina)*

Forecasting Regional Trends in Opportunistic Infections among People with HIV
Catherine Bielick *(Beth Israel Deaconess Medical Center)*

S2. Big Data for Public Health and Community Health I
Ballroom 1A
Moderators: Shan Qiao *(University of South Carolina)*
& Rick Zimmerman *(Wayne State University)*

Geographic Variation and Type 2 Diabetes Mellitus (T2DM) in Kentucky Adult Medicaid Beneficiaries: Increased Prevalence T2DM and Co-Morbidities (AmI, Retinopathy) but Decreased Renal Failure Rates from 2010 to 2018
Bertis Little *(University of Louisville)*

Unhealthy Lifestyle Indicators Increase Hypertension in the Southeastern United States
Debbie Barrington *(University of South Carolina, Greenville)*

Using Machine Learning Tools to Predict Awareness of Lung Cancer Screening among U.S. Adults
Kesheng Wang *(University of South Carolina)*

Association between Physical Functionality and Cognitive Performance in Older U.S. Adults: A National Perspective from the 2011-2014 NHANES
Babablola Oluranti *(University of South Carolina)*

Mining Social Media Posts: An AI-Powered Approach to Exploring Home Health Care Workers' Experiences and Concerns
Huanmei Wu *(Temple University)*

Do Residential Segregation and Comorbidities Exacerbate the Racial Disparities in Acute Care Utilization among Patients Served by A Large Healthcare System?
Chengbo Zeng *(Bringham and Women's Hospital)*

S3. Big Data for Biomedical Research
Ballroom 1B
Moderators: Jie Li & Christopher Sutton *(University of South Carolina)*

Conformational Assembly of a Tunnel Gating Residue in Human Asparagine Synthetase
Wen Zhu *(Florida State University)*

Exploring Human Microbiota's Biosynthetic Potential for Antimicrobial Discovery
Philip Yongxin Li *(University of Hong Kong)*

Proteomic Analysis Reveals Spatial Asynchrony of RNA Modifications in Early Embryogenesis
Hui Chen *(University of South Carolina)*

An Algorithm for the Longest Common Subsequence and Substring Problem of Multiple Strings
Rao Li *(University of South Carolina, Aiken)*

Microscopy and Big Data: Building Scalable Workflows for Complex Research
Vitali Sikirzhytski *(University of South Carolina)*

Designing QSARs of Peptides and Structural Properties through Mesoscale Simulation Model SIMFIM and Machine Learning
Esmaiel Jabbari *(University of South Carolina)*

Characterizing the Relationship between Head Anthropometry and Brain Material Properties Using MR Imaging and Elastography
Jessica Restivo *(University of South Carolina)*

Coffee Break | Pre-function
3:00pm – 3:15pm

Breakout Sessions (S4-S6)
3:15pm – 5:15pm

S4. Big Data for Public and Community Health II
Ballroom 3
Moderator: Xueying Yang *(University of South Carolina)*

Identifying Delayed Human Response to External Risks: An Econometric Analysis of Mobility Change during a Pandemic
Zhang Gaofei *(University of Connecticut)*

Late Seizure Prediction after Ischemic Strokes: A Pilot Study Using Machine Learning and the TriNetX Research Network
Alain Lekoubou Looti *(Pennsylvania State University)*

Telemental Health Service Utilization and Mental Health Emergency Room (ER) Visits among Children in Foster Care in a Southeastern State: Evidence from Statewide Linked Administrative Data
Yanfeng Xu *(University of South Carolina)*

Severe Maternal Morbidity and Postpartum Readmissions through One Year
Curisa Tucker *(University of South Carolina)*

Prevalence of Alzheimer's Disease and Related Dementias among Transgender Adults in South Carolina
Jennifer May *(University of South Carolina)*

Leveraging Mobile Technology to Promote and Enhance Health Education amongst Adolescent Girls and Young Women in Lagos State: The Cool Girls App Development
David Idoko Udanwojo *(Centre for Integrated Health Programs)*

Leveraging Big Data Frameworks Hive and Spark for Global Diabetes Prediction on AWS
Shamila Fathima Shaik *(University of North Texas)*

S5. Big Data Health Research: Findings from Africa
Ballroom 1A
Moderator: Banky Olatosi *(University of South Carolina)*

Using Power BI Dashboard for Tracking HIV Viral Load Testing Results: A Tool for Program Visibility
Bola Oyeledun *(Centre for Integrated Health Programs)*

Effective Differentiated Service Delivery: Pioneering Community-Led Strategies for Optimal Continuity-in-Treatment and Viral Suppression in North-Eastern Nigeria
Obioma Adaobi Azurunwa *(Centre for Integrated Health Programs)*

Viral Load Testing and Suppression from 2017-2022 Using Routine Programme Data in South Africa: A Retrospective Analysis
Edith Phalane *(University of Johannesburg)*

2026
7th National Big Data Health Science Conference
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UNIVERSITY OF SOUTH CAROLINA

Modeling Precise District-Level HIV Prevalence among Individuals Aged 15 Years and above in South Africa Using Area-Level Poisson Mixed Model
Yegnanew Shiferaw *(University of Johannesburg)*

The Application of Machine Learning Algorithms to Predict HIV Testing Among South African Adult Population: Evidence from the 2002, 2005, 2008, 2012 and 2017 Population-Based Surveys
Musa Jaiteh *(University of Johannesburg)*

Changes in HIV treatment outcomes from 2017 – 2022 in South Africa – Retrospective Analysis of Aggregated Routine Programme Data
Refilwe Nancy Phaswana-Mafuya *(University of Johannesburg)*

Consistency of Correct Utilization of Condoms with Lubricants and Associated Factors among Men who have Sex with Men in Ghana: Protocol for Evidence from Integrated Bio-Behavioral Surveillance Survey
Ratif Abdulai *(University of Johannesburg)*

S6. Big Data for Clinical Practice and Patient Care
Ballroom 1B
Moderator: Jessica Gonzalez *(University of South Carolina)*

Robust Text Classification and LLM Integration for Personalized Mental Health Support
Kaden Bunch *(Brown University)*

Boosting Multiclass-Classifier Performance with Borderline-SMOTE Augmentation for Predicting Disease Severity and Mortality of In-Patients with COVID-19 in South Florida
Debarshi Datta *(Florida Atlantic University)*

Exploring Medical Doctors' Perspectives on Generative AI Tools: A Twitter-Based Sentiment and Thematic Analysis
Amirreza Kalantari *(University of South Carolina)*

Predicting Severity of Illness Using Interpretable Machine Learning Techniques of In-Patients with COVID-19 in South Florida
Subhosit Ray *(Florida Atlantic University)*

Telehealth Uptake and Rural-Urban and Racial/Ethnic Disparities in Postpartum Care Access in South Carolina, 2018-2022
Anirban Chatterjee *(University of South Carolina)*

Sexual Orientation Disparities in Cervical Cancer Screening, HPV Testing, and HPV Vaccination Rates: Findings from Nine Years of CDC BRFSS Data
Joshua Cook *(University of West Florida)*

Networking Reception | Presidential Dining Room
5:30pm – 7:30pm

Friday, February 14

Registration & Breakfast | Ballroom 2
8:30am – 9:30am

Poster Session II | Pre-function
8:30am – 9:15am

P1. A Multilevel Temporal Analysis Disparities in COVID-19 Vaccine Uptake in Children: Evidence from Louisville, Kentucky
Hamid Zarei *(University of Louisville)*

P2. A Unified EHR-Based Data Integration Approach for Perinatal Health Policy Research
Liu Ziang *(University of South Carolina)*

P3. Daily Associations between Physical Activity and Cognitive Function in Older Adults: An Ecological Momentary Assessment Study
Liyan Xiong *(University of South Carolina)*

P4. Decoding Colon Cancer: Unveiling the Genetic Impact for Tailored Treatments
David Arnold *(University of South Carolina)*

P5. Development of Hepatitis C Virus Clearance Cascade, South Carolina, 2013-2022
Chantaezia Joseph *(South Carolina Department of Public Health)*

P6. Effectiveness of Tenofovir-Induced Tool in Improving Early Screening of Acute Kidney Injury among Female Sex Workers in Northwest Province: Protocol for a Quasi-Experimental Study
Ketlareng Liza Polori *(University of Johannesburg)*

P7. Implementation of a Secure Cloud Enclave for CMS Regulated Datasets
Austin Blackwell & Nathan Elger *(University of South Carolina)*

P8. Healthcare Resource Allocation Using Deep Reinforcement Learning to Improve Spatial Accessibility Equity
Yuhao Kang *(University of Texas at Austin)*

P9. Optimizing HIV Treatment Outcomes through Data Triangulation: Aligning Treatment and Consumption Metrics
Geoffrey Ogbeke *(National AIDS, Viral Hepatitis and STIs Control Program)*

P10. Pre-Exposure Prophylaxis Outcomes Following Implementation of Innovative Interventions during the COVID-19 Lockdown Period among Women in the North-West Province, South Africa: A Retrospective Analysis
Lerato Lucia Olifant *(University of Johannesburg)*

P11. Semaglutide: Oral vs. Injection and the Risk of Colorectal Cancer Using Large-Scale National Data
Joseph Magagnoli *(University of South Carolina)*

P12. Shingles Vaccine and the Risk of Dementia in a Cohort of People with HIV Using Large-Scale Data Analytics
Tammy Cummings *(University of South Carolina)*

P13. Establishing a STEM Hub for the Empowerment of Adolescent Girls and Young Women in Lagos State, Nigeria: An Implementation Process Paper
Obioma Adaobi Azurunwa *(Centre for Integrated Health Programs)*

Plenary Sessions | Ballroom 3

Agents and Agentic Workflows: Unlocking the Power of AI
9:30am – 10:15am
Rachel Reinitz & Andre Tost, *IBM*

Infectious Addictions: Geospatial Data and Human Health Futures
10:15am – 11:00am
Brian King, *Pennsylvania State University*

Don't miss out!

Join the BDHSNET Listserv and follow us on social media to stay informed about [BDHS] news, events, and updates.

BDHS NET
South Carolina Big Data Health Science Network (BDHSNET) Listserv

Coffee Break | Pre-function
11:00am – 11:15am

AI in Healthcare: Navigating the Ethical Frontier for Actionable Intelligence
11:15am – 12:00pm
Banky Olatosi, *University of South Carolina*

Lunch | Ballroom 2
12:00pm – 1:00pm

Poster Session III | Pre-function
12:00pm – 12:45pm

P1. A Big Data Approach to Measure Injection Drug use (IDU)-Related Infections among People Living with HIV in South Carolina
Gulnar Ibramsha & Pieter Baker *(University of South Carolina)*

P2. Burnout and Empathy among Community-Engaged Medical Students
Maegan Rudolph *(University of South Carolina)*

P3. Delivery of Maternal Health and Family Planning Services to Internally Displaced Persons in Iraq, from 2014 to 2020
Ali Alfalki *(University of South Carolina)*

P4. Demographic and Socioeconomic Risk Factors for HIV Status: Analysis of the Tanzania HIV Impact Survey
Mojtaba Kazemian *(University of South Carolina)*

P5. Determinants of Antiretroviral Therapy Adherence among Farm Workers Living with HIV in a Selected Sub-District in Limpopo Province, South Africa
Phumzile Mapula Shaku *(University of Johannesburg)*

P6. Exploring Maternal Telehealth Policies and Maternal Health Outcomes
Saidah Wade *(University of South Carolina)*

P7. Exploring Predictors of Substance Use among Ethnoracial Minority Gay and Bisexual Men Using Data from the NIH All of Us Research Program
Wonkyung Chang *(University of Rochester)*

P8. Factors Associated with Contraceptive use among Adolescent Girls and Young Women in Lebowakgomo, Limpopo Province, South Africa
Mazwi Kgokong *(University of Johannesburg)*

P9. Machine Learning Applications on CTA Data for Diagnosis of Peripheral Artery Diseases (PAD)
Shrikant Pawar *(Claflin University)*

P10. ML Solutions for Land Cover Classification by Using Hyperspectral Images
Adrian Lockwood *(Claflin University)*

P11. Neurocardio-Trauma Feedback System, An Investigational Study of Electroencephalography and Electrocardiography Variability Monitoring in Emergency Care Clinicians for the Early Detection of Acute Stress Disorder
MacKenzie Meier *(University of South Carolina)*

P12. Protocol for the Evaluation of the Sexually Transmitted Infections Programme among Key and Priority Populations in Primary Healthcare Facilities to Inform a Targeted Response
Mohlago Ablonia Seloka *(University of Johannesburg)*

P13. Smartphone-Based Place Visitation Data Better Explain Neighborhood-Level Coronary Heart Disease in the United States
Temitope Akinboyewa *(Pennsylvania State University)*

P14. The Impact of Precipitation on Timeliness of Childhood Vaccination: Insights from the 2022 Tanzania Demographic and Health Survey
Salome-Joelle Gass *(University of South Carolina)*

NIH Trainee Session | Ballroom 1B
1:00pm – 3:00pm

R25 Big Data Health Science Fellow Junior Faculty Program
Pieter Baker, *Department of Epidemiology and Biostatistics, University of South Carolina*
Hui Chen, *Department of Biological Sciences, University of South Carolina*
Leila Larson, *Department of Health Promotion, Education, and Behavior, University of South Carolina*
Yuan Wang, *Department of Epidemiology and Biostatistics, University of South Carolina*
Yanfeng Xu, *College of Social Work, University of South Carolina*

R25 Big Data Health Science Community Scholar Program
Kaleena Capers, *CAN Community Health*
Tammy Garris, *Hope Health, Inc.*
April Sumter, *PALSS, Inc.*
Olympia Witherspoon, *Sistercare*

R25 Emerging Scholar Program
Adrian Lockwood, *Claflin University*
Saidah Wade, *University of South Carolina*

T35 Research Training Program
Joshua Cook, *University of West Florida*

Poster Session IV & Dessert | Pre-function
1:00pm – 1:45pm

P1. Bayesian Semiparametric Geoadditive Modeling of Underweight Children under the age of Five in Ethiopia
Endeshaw A. Derso *(University of Messina)*

P2. Breaking Barriers: Examining the Contributing Factors to Suicide among the Black Male Population
Traniah Neal *(University of South Carolina)*

P3. Computational Modeling of 3D Structure of the Apolipoprotein ApoA-I
Esmaiel Jabbari *(University of South Carolina)*

P4. Delivering Maternal and Child Health Data to Hospitals in a Secure Online Environment
James Edwards *(University of South Carolina)*

P5. Exploring Maternal Telehealth Policies and Maternal Health Outcomes, Saidah WadeGeographical Patterns of COVID-19 Vaccine Inequality by Race and Ethnicity: Evidence from Jefferson County, Kentucky
Shaminul Shakib *(University of Louisville)*

P6. HIV Testing and Associated Factors among Men Who Have Sex with Men in Ghana: A Protocol Paper
Kofi Atakorah-Yeboah Junior *(University of Johannesburg)*

P7. Integrating Climate and Health Data to Assess the Impact of Precipitation on Health Outcomes: A Case Study from Tanzania
Salome-Joelle Gass *(University of South Carolina)*

P8. Mining Reddit for Insights: Analyzing Sentiments and Topics on Opioid Harm Reduction Using Unsupervised Machine Learning
George Shaw, Jr. *(University of North Carolina at Charlotte)*

P9. Utilization of the Key Population Unique Identifier Codes in Monitoring HIV Treatment Cascade in Sub-Saharan Africa
Cynthia Adobea Asante *(University of Johannesburg)*

P10. Wearable Devices as Tools for Health Interactions: A Social Media Analysis of Public Attitudes and Challenges
Jiaxuan Zhang *(University of South Carolina)*

P11. Willingness to Pay for Routine Childhood Vaccination in Northern Tanzania: A Contingent Valuation Method
Sarata Ngack *(University of South Carolina)*

P12. Agility and Responsiveness: Optimizing Quality HIV Service Delivery among PLWH in Fragile and Conflict-Affected Settings in Kaduna State-Northern Nigeria
Sannom Jessica Hayab *(Centre for Integrated Health Programs)*

Poster Session V | Pre-function
2:00pm – 2:45pm

P1. Assessment of the Routine Health Information Management System in Monitoring HIV Prevention and Treatment Cascade in South Africa
Mashudu Issau Rampilo *(University of Johannesburg)*

P2. Association between Park Availability and Depression: Moderating Effects of Walkability across South Carolina
Farnaz Hesam Shariati *(University of South Carolina)*

P3. Birthing Black: The Impact Perceived Discrimination has on the Birthing Experience of Black Women
Ebony Christie *(University of South Carolina)*

P4. Data Science Application in HIV in Resource-Limited Settings: A Systematic Review
Irene Esu *(University of South Carolina)*

P5. Disparities in Mental Health and Substance use Disorder Related Postpartum Readmissions
Md. Utba Rashid *(University of South Carolina)*

P6. Impacts of Covid-19 Pandemic on HIV Treatment Outcomes among Men Who Have Sex with Men in South Africa Using Routine Programme Data: An Interrupted Time Series Analysis
Ramakgahlela Betty Sebati *(University of Johannesburg)*

P7. Leveraging Big Data Analytics to Uncover Spatial Disparities in Healthcare Accessibility
Yuche Chen *(University of South Carolina)*

P8. Leveraging Machine Learning Algorithm to Predict STI Prevalence, Transmission Dynamics and Trends in SA Adults Using SABSSM Data: A Study Protocol
Joy Hlengiwe Mhlongo *(University of Johannesburg)*

P9. Protocol Paper: Effectiveness of a Digital Tool in Improving Quality Assurance of Rapid HIV Test Outcomes in Gauteng, South Africa: Evidence from the Rapid Test Continuous Quality Improvement Program
Antoinette Amanda Mohlala *(University of Johannesburg)*

P10. Resilience, Stressors, and Intersectionality: Understanding Alcohol and Drug Use Disparities among Sexual Minority Populations
Chen Zhang *(University of Rochester)*

P11. The Impact of Stand-Alone Prescription Drug Plans on Health Care Expenditures among Medicare Beneficiaries with Alzheimer's Disease and Related Dementias
Xiangxiang Jiang *(University of South Carolina)*

P12. Unlocking Nutritional Insights: A Big Data Analysis of Social Media's Role in Public Health
Samaneh Borji *(University of South Carolina)*

P13. Using Deep Learning to Disentangle Artifacts in Multimodal Datasets
Christian O'Reilly *(University of South Carolina)*

Plenary Sessions | Ballroom 3

Utilization of All of Us Research Program for HIV research
3:00pm – 4:00pm
Xueying Yang and Huiyi Xia, *University of South Carolina*

Closing Remarks & Announcement of Awards
4:00pm – 4:15pm

Additional e-Posters found in the *Whova* app

Accuracy of Self-Reported COVID-19 Vaccine History Compared with Electronic Health Record Data based on a U.S. Longitudinal Study
Zihan Diao *(Yale School of Medicine)*

An Adaptation of the Principal Component Analysis Technique for Identifying the Most Significant Predictors of Hereditary Disease
Srinivas Tamvada *(Pennsylvania State University)*

Association of Activity-Based Food Environment Index with Obesity-Related Cancer Mortality in the US
Rax Xu *(University of Connecticut)*

Big Data Analytics for Cardiovascular Risk Prediction: Insights into Feature Importance
Ernest Ofori-Mensah *(Purdue University)*

ClinicalConsent: AI-Enhanced Risk Insights for Clinical Research Participants
Riley Harper *(University of North Carolina)*

Does Today's Internet Access Effectively Bridge the Digital Divide for Urban Patients? A Preliminary Study Associated with Healthcare Inequality among Pregnant Mothers with Substance Use Disorder in the United States
Giangvuthanh Nguyen *(Old Dominion University)*

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Data

Data (ISSN 2306-5729) is a unique international, scientific open access journal on "data in science". The journal provides a forum for data scientists as well as for scientists working with data.

Impact Factor 2.2
CiteScore 4.3

Editor-in-Chief
Prof. Dr. Jamal Jokar Arsanjani

Applied Sciences

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CiteScore 5.3

Editor-in-Chief
Prof. Dr. Giulio Nicola Cerullo

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Impact Factor 2.4
CiteScore 3.5
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Editor-in-Chief
Prof. Dr. Paul B. Tchounwou

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