



TRAVIS GERKE, SCD

Data Science Leader

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in travisgerke

tgerke

travisgerke.com

San Diego, CA

Google Scholar

EDUCATION

Doctor of Science (ScD)

Epidemiology

Harvard School of Public Health

2014

Master of Arts (AM)

Biostatistics

Harvard University

2011

Bachelor of Science (BS),

Bachelor of Arts (BA)

Statistics, Mathematics

University of Florida

2009

SKILLS

R

GitHub

Biostatistics

Machine Learning

LaTeX

SQL

Causal Inference

I apply my 15+ years of R development experience in the domains of data engineering, machine learning, and biostatistics. I enjoy championing well-documented and version controlled pipelines at all stages of analysis, from data generation through reporting and visualization.

ACHIEVEMENTS

80+ peer-reviewed publications
>2000 citations, h-index 26

Activity on 15 funded grants

Funders include NIH, NCI, American Cancer Society, and Department of Defense

85+ presentations and invited seminars

Spans local and international conferences, workshops, and other outreach

SUMMARY & OBJECTIVE

As a practitioner of servant leadership, I balance roles as an independent contributor against that of a full stack data science mentor. I use my experience as a former academic to guide best research and data practice in oncology clinical trials and the real-world evidence domain.

PROFESSIONAL EXPERIENCE

Director of Data Science | The Prostate Cancer Clinical Trials Consortium (PCCTC)

Jun 2021 – Present

Remote

- Established the data science program and recruited top talent to develop modern clinical trial reporting and analytics workflows
- Construct SOPs pertaining to software development life cycles and validation, statistical analysis plans, regulatory-grade data governance, and compliant data engineering (e.g. versioned SDTM/ADaM data stores)
- Led development of custom solutions for patient profile and safety reporting, portfolio tracking, and data quality monitoring

Director of Health Informatics | Moffitt Cancer Center

May 2020 – Jun 2021

Tampa, FL

- Transformed the data access layer as the agile product owner of cloud-based data marts (AWS/Snowflake) and associated informatics tools (R/Python/Shiny)
- Lead teams to provide the foundation for predictive analytics, production-grade ML/AI applications, and data sharing partnerships

Scientific Director of Collaborative Data Services and Assistant Member | Moffitt Cancer Center

May 2016 – May 2020

Tampa, FL

- Provide scientific and technical leadership for Moffitt's data provisioning hub
- Direct academic research lab with emphasis in reproducible data science for real-world evidence studies

Visiting Scientist | Harvard School of Public Health

Nov 2014 – Jul 2020

Boston, MA

- Serve as lead statistician in an epidemiology lab, ensuring appropriate application of statistical methods and providing mentorship of students/postdocs

Assistant Professor of Epidemiology | University of Florida

Sep 2014 – May 2016

Gainesville, FL

- Direct research lab with emphasis in machine learning and causal inference in oncology studies of gene expression