Martin Skarzynski

BIOSTATISTICS · DATA SCIENCE · EPIDEMIOLOGY · GENOMICS · MACHINE LEARNING · PHARMACOMETRICS · PUBLIC HEALTH · SOFTWARE ENGINEERING

240-595-3460 | marskar@gmail.com | marskar.github.io | marskar | mskar | marskar

Summary

My primary research interest is in understanding health risk factors by combining scientific expertise from diverse fields with machine intelligence. I believe I am uniquely equipped to bridge the gaps between scientific disciplines and deliver on the promise of data science in health research. My preferred tools are R and Python, open source programming languages kept on the cutting edge by their active and supportive communities. Through research and teaching, I am constantly improving my ability to obtain, tidy, explore, transform, visualize, model, and communicate data. I aim to utilize my technical skills and science background to become a leader among the next generation of multidisciplinary data scientists.

Recent Experience

Cancer Prevention Fellow
Rockville, MD

BIOSTATISTICS BRANCH, DIVISION OF CANCER EPIDEMIOLOGY AND GENETICS (DCEG), NATIONAL CANCER INSTITUTE (NCI)
June 2017 - Present

- Integrates clinical, laboratory, epidemiologic, genomic, and medical imaging data
- Researches the effects of genes and exposures on cancer outcomes

Co-Chair
Bethesda, MD

BIOINFORMATICS AND DATA SCIENCE DEPARTMENT, FOUNDATION FOR ADVANCED EDUCATION IN THE SCIENCES (FAES)
January 2015 - Present

- Co-administers an academic program with over 20 faculty members
- Currently teaches two graduate data science courses:
    - *Introduction to Python* (BIOF309)   *Applied Machine Learning* (BIOF509)

Data Science Instructor
Washington, DC

GENERAL ASSEMBLY
July 2019 - Present

- Teaches hands-on data science workshops

Package Author and Reviewer
Remote

PYOPENSCI
May 2019 - Present

- Coordinates review of scientific Python packages submitted to the pyOpenSci community
- Reviews scientific Python packages
- Developed and maintains three Python packages:
    - *Nbless*   *Rmdawn*   *Gitone*

Online Course Developer
Remote

DATACAMP
October 2018 - Present

- Developed and maintains an online course called *Creating Robust Python Workflows*

Data Science Content Developer
Washington, DC

SMARTLY / PEDAGO
June 2018 - December 2018

- Developed Python course content focused on Functional and Object-Oriented Programming

Instructor
Bethesda, MD

THE CARPENTRIES: SOFTWARE, DATA, AND LIBRARY CARPENTRY
April 2017 - Present

- Teaches hands-on computational workshops, such as the 2019 NIH Genomics Data Carpentry Workshop

Adjunct Professor
Washington, DC

GEORGE WASHINGTON UNIVERSITY (GWU)
January 2015 - May 2015

- Taught an undergraduate lecture and lab course: *Introductory Biology: The Biology of Organisms* (BISC 1112)
- Organized, led and invited speakers for an undergraduate seminar, *Women and Leadership* (WLP1111)

Graduate Education

MPH, Epidemiologic and Biostatistical Methods for Public Health and Clinical Research
Baltimore, MD

JOHNS HOPKINS UNIVERSITY SCHOOL OF PUBLIC HEALTH (JHSPH)
May 2018

- Data Science Certificate

PhD, Tumor Biology
Washington, DC

GEORGETOWN UNIVERSITY-NIH GRADUATE PARTNERSHIPS PROGRAM (GU-NIH GPP)
May 2015

- Teaching Certificate

MS, Biotechnology
Krakow, Poland

JAGIELLONIAN UNIVERSITY
June 2009