

Martin Skarzynski

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

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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

Department 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)

Lead Data Science Instructor

Washington, DC

GENERAL ASSEMBLY

July 2019 - September 2019

- Taught Python and data science for the [Booz Allen Hamilton Data Science 5000 \(DS5K\) initiative](#)

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

DATA CAMP

October 2018 - Present

- Developed and maintains an online course called [Creating Robust Python Workflows](#)

Workshop Instructor

Bethesda, MD

THE CARPENTRIES: SOFTWARE, DATA, AND LIBRARY CARPENTRY

April 2017 - May 2019

- Taught computational skills workshops, such as the [2019 NIH Genomics Data Carpentry Workshop](#)

Data Science Content Developer

Washington, DC

SMARTLY / PEDAGO

June 2018 - December 2018

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

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