MAYA GANS

Statistical Programmer

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PROFILE

I graduated from the University of Wyoming with my Master's in Science May 2019. My thesis was on the bacterial communities of a parasitic plant and how it interacts with fungi and adjacent trees. Working in ecology provided the foundation for studying complex, interconnected networks. My interests shifted from my study system to the statistical methods needed to model complex interactions and large datasets. After completing my degree, I worked at RStudio as an Intern where I created tidyblocks.tech, a blocks-based coding language to teach high school statistical students the fundamentals of programming. After my internship I was employed by Cytel where I create custom shiny applications using a combination of R and JavaScript, and was the lead developer of tidycdisc, Biogen's open source package to explore CDISC standard data In R.

SOCIAL

linkedin.com/in/mayagan

github.com/mayagans

Maya.rbind.io

Mayacelium

EDUCATION

BACHELOR OF SCIENCE

Florida International University 2010-2014

MASTER OF SCIENCE

University of Wyoming

2016-2019

EXPERIENCE

Programmer

2019-Present

Statistical Programmer
Cytel Inc

Creating custom Shiny applications In R using JavaScript and advanced R programming skills. Using GitHub to collaborate with a team of R programmers and create packages.

Intern

2019-2019

JavaScript Developer
University Wyoming

Using JavaScript and R to build a blocks-based coding language of the Tidyverse for data manipulation and visualization

Student

2016-2019

Master of Science
University Wyoming

Quantifying the bacterial community of *P. andromedea* required techniques in experimental design, laboratory skill, collection and analysis of genetic and geographic data. My course is focused in statistics and computational biology.

EXPERTISE

REGRESSION MODELING

SIGNIFICANCE TESTING

DECISION TREES

CLASSIFICATION MODELS

CLUSTERING

DATA VISUALIZATION

TECH SKILLS

R PROGRAMMING

JavaScript

D3.js

Modeling and ML

Illustrator

AWARDS

WILHELM G AND RAGNHIL DSOLHEIM MEMORIAL SCHOLORSHIP 2019
Totaling $600 for an outstanding Botany graduate student

DATA CARPENTRY 2018

Totalling $1150 for certification to teach R Programming

INSURETECH CONNECT 2018

Totaling $1500 for registration to attend InsureTech Connect 2018 in Las Vegas, NV

FISHER INNOVATION CHALLENGE 2018

Totalling $31500 for technology start up seed funding

PUBLICATIONS

Gans MR, Dowie NJ, Miller SJ. Invariant communities of endophytic nitrogen-fixing bacteria associated with a non-photosynthetic plant. (in review).

Gans, MR. Custer GF, van Diepen LTA, Buerkle CA. The hypothesis of a 'core' community receives poor support when confronted with simulated and empirical data (in review).

Gans, Maya, et al. JavaScript for Data Science. CRC Press, 2020.

PRESENTATIONS

Gans, MR, Gotti, M. TidyCDISC: An Open-source Application to Interactively Create Tables, Figures, and Patient Profiles from ADaM Data. R/Pharma and R/Medicine. September 2020, Virtual.

Gans MR. TidyBlocks: using the language of the Tidyverse in a blocks-based interface. RStudio Conference January 2020, San Francisco, CA.

Gans MR, Dowie NJ, Miller SJ. Invariant communities of nitrogen-fixing bacteria associated with *Pterospora andromedea* lineages across a large geographic area. 9th International Symbiosis Society Congress. July 2018. Corvallis, OR.

REFERENCES

GREG WILSON
RStudio | 2019-2019
E: *gvwilson@third-bit.com*

SCOTT BERNSTEIN
JamBase | 2019-Present
E: *scottb@jambase.com*

ALEX BUERKLE
University Wyoming | 2016-2019
P: *1 307 766 4158*

LINDA TA VAN DIEPEN
University Wyoming | 2016-2019
P: *307 766 2781*

HOBBIES & INTERESTS

PLAYING BASS

MUSIC ANALYTICS

CLIMBING

STATISTICS

PHOTOGRAPHY

D3.js