

HANIAH KRING



EDUCATION

Dec
2023
|
Aug
2020

B.S., Computer Science

Hope College

Holland, MI

- Coursework: Google Data Analytics, Database Systems, R for Biological Sciences, Parallel Programming, Applied Statistical Models, Statistics for Data Science



INDUSTRY EXPERIENCE

Present
|
May
2023

Data Analyst Intern

GreenStone Farm Credit Services

East Lansing, MI

- Converted the Current Expected Credit Loss model from Excel to R, reducing processing time by 90%.
- Developed an automated report for GreenStone's portfolio stress test, drastically reducing the creation time of their PowerPoint from hours to mere minutes.
- Forecasted market segment growth rates to help maintain a well-balanced portfolio using the LSTM model in Python.
- Authored tableclothr, an R package that creates a common interface for gt and DT and provides helper functions for powerful, flexible tables.

Present
|
Aug
2022

Consultant Lead

Center for Leadership at Hope College

Holland, MI

- Advised Stryker Instruments on entering an emerging medical device industry with market analytics (NDA).
- Designed a 25 page requirements document for a new mobile app that assists mentors at Kids Hope USA with their mentoring sessions.



RESEARCH EXPERIENCE

July
2022
|
Jan
2022

Patient-Handling Tasks and Posture Classification

Undergraduate Researcher

Hope College

- Applied multivariate time series models in Python to predict posture quality in nurses with 98.1% accuracy.
- Presented findings at 3 regional undergraduate research conferences (WMRUGS, MSGC, and CURCA).

May
2021
|
Aug
2020

Macatawa Watershed Analysis

- Collected bacterial samples of Lake Macatawa at 12 different sites and sequenced DNA for analysis.
- Leveraged the tidyverse to clean, analyze, and model ecological datasets.
- Employed statistical methods such as ANOVA, PERMANOVA, unconstrained ordinations, and heatmaps.



TEACHING EXPERIENCE

Present
|
Aug
2021

Teaching Assistant

R for Biological Sciences

Hope College

- Served as TA helping facilitate class discussions, debug student code, and grade all R assignments.



CONTACT

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LANGUAGES

R

Python

SQL

TECHNOLOGIES

Git

Excel

Power BI

Made with the R package
[pagedown](https://pagedown.r-lib.org/).

Last updated on 2023-07-24.