

Jacquelyn Furbish

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Education

Wentworth Institute of Technology, Boston, MA

Bachelor of Science, Applied Mathematics

August 2022

Relevant Coursework: Industrial Problem Solving in Applied Mathematics, Advanced Statistics, Numerical Analysis, Operations Research, Linear Algebra & Matrix Theory

Skills

- RStudio, SQL, Python
- Beginner MatLab skills
- Office 365

Projects

Nurse Disengagement Analysis

April 2020

- Predicted whether a nurse will become disengaged after 6 months of employment at IntelyCare Inc.
- Some focused methods included Non-Linear Least Squares and Decision Trees.
- Results were created and tested among the nurses' data with 83% accuracy in predicting disengagement.

Disease with a Vaccine

December 2019

- Used SIR modeling to represent how a flu virus spread through a boarding school.
- Created a new model with a vaccine implementation and compared with the model of no vaccine.
- Found that with the vaccine, spike of infections occurred sooner, and total number of infections was lower.

Relevant Experience

IntelyCare Inc., Data Analyst Intern

May 2021 - August 2021

January 2022 – May 2022

Worked with various databases and used SQL to build data tables in order to analyze questions that help to improve the user's experience. Aided in creating and reorganizing the data warehouse in order to access important data. Created various Datasets and visuals for different departments within the company. Used Python to analyze and report the effectiveness of experiments.

Valorum Data, Data Identification Analyst Intern

May 2020 - September 2020

Collaborated with peer organization CovidActNow to source public health data, identify data gaps, and test the accuracy of an NPI tracker resulting in accurate information that can be shared on two COVID dashboards, [CovidActNow](#) and [Covid County Data](#).

Electronic Fasteners Inc., Customer Service

July 2018 – May 2021

Navigate company software to create and pack orders. Gained customer service skills and quickly learned new tasks with minimal training to cover for co-workers during absences.