





Pang-Yu Liu

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EDUCATION

University of Connecticut CT, U.S.A

Master of Science in Statistic

Jul 2018 - Dec 2020

GPA: 3.72/4.3

National Chengchi University Taipei, Taiwan (R.O.C)

Bachelor of Science in Public Finance

Jul 2012 - July 2017

GPA: 3.85/4.0

WORKING EXPERIENCE

Cincinnati Children's Hospital Medical Center

Data Programmer, Full-Time

Jan 2021-Present

Cincinnati, U.S.A

- Explore Data Visualization (EDA) with R and Rshiny application for REDCap.
 - Interacting with Rare Disease dataset from Redcap with Rshiny web application by RedcapR package.
 - Designing a friendly UI for user to visualize data via ggplotly and shiny package.
 - Reporting statistical results such as graph or table in PDF via Rmarkdown.
- Develop Reporting Tool for Rare Disease database from REDCap.
 - Provide listing based on customized selection, such as subset REDCap Event Name or set multiple conditions.
 - View/Export Report from REDCap
- Clinical Trial Data Validation Programs.
 - Support on creating validation programs for derived dataset, Tables, Listing and Figure (TLF) for several non-RDCRN/RDCRN project, such as B2B, Rheumatology by using SAS.

Boehringer Ingelheim

Statistical Programming, Internship

Sept 2019-Mar 2020

Ridgefield, U.S.A

- Event Prediction Dashboard.
 - Conducted disease event prediction along with biostatisticians through machine learning method such as survival analysis using gestate package in R.
 - Developed R shiny dashboard to visualize event prediction interactively.
- Clinical Trial Validation Programs.
 - Support on creating validation programs like Tables, Listing, and Datasets through using SAS programs.

TECHNICAL SKILLS

Programming languages: Python, Julia

Statistics and Visualization: R, R-shiny, SAS

Web Technologies: HTML, JavaScript

Miscellaneous: MySQL, Git, Latex

CERTIFICATIONS

- SAS Certified Base Programmer for SAS 9 Sept 2016
- SAS Certified Advanced Programmer for SAS 9 Apr 2019
- SAS Certified Clinical Trials Programmer for SAS 9 Dec 2021