

JENNIFER HY LIN



DATA ANALYTICS PROJECTS

2022
|
2022



Drugs in rare diseases¹

RStudio and Jupyter notebook in Anaconda

- Dataset from FDA's Orphan Drug Product designation database
- Completed in R (base R and Tidyverse) and Python

2022
|
2022



Natural history of rare diseases - malformation syndrome²

Jupyter notebook in Anaconda

- Focussed on malformation syndrome and life spans
- Completed in Python

2022
|
2022



Phenotypes associated with rare diseases³

RStudio and Jupyter notebook in Anaconda

- Found out the most common rare disorders and their associated phenotypic features
- Completed in R mainly, with some Python for data cleaning

2022
|
2022



Long COVID data in SQL⁴

Dbeaver

- Used SQL to find out long COVID symptoms from a paper published in 2021
- Used MySQL server

2022
|
2022



Long COVID dashboard⁵

Tableau Public

- Built a long COVID dashboard using Tableau Public



EXPERIENCE

current
|
2021



Registered pharmacist

Canterbury, New Zealand



Unichem Spitfire Square Pharmacy

- Locum pharmacist
- COVID-19 vaccinator

2020
|
2019



Registered pharmacist

Canterbury, New Zealand



Christchurch Hospital Pharmacy

- Clinical pharmacist

CONTACT

✉ jennyhylin@gmail.com

🐦 [jenhylin](#)

🐙 [GitHub](#)

🔗 [Data analytics and research portfolio](#)
[in LinkedIn profile](#)

ANALYTICS SKILLS

Python

SQL

R

Matplotlib

Plotly Dash

ggplot2

Tableau

Git


Made with the R package
[pagedown](#).

The source code is available on
[GitHub](#).

Acknowledgement to another
helpful source on [GitHub](#)

Last updated on 2022-08-15.

2019
|
2012

● **Registered pharmacist**
New South Wales, Australia  Calvary Healthcare Kogarah

- Clinical pharmacist

2012
|
2008

● **Registered pharmacist**
Canterbury, New Zealand

- Various community pharmacies from 2008 to 2009
- Christchurch Hospital Pharmacy from 2009 to 2012



CERTIFICATION

2022
|
2021


● **Data Science Professional Certificate**
IBM  Coursera

- Started from 11th September 2021 and completed by 28th January 2022




EDUCATION

2019
|
2015

● **Doctor of Philosophy**
New South Wales, Australia  University of Sydney

- Medicinal and computational chemistry
- Drug discovery and design
- Thesis title: The use of computer-aided drug design in small molecule drug discovery⁶

2014
|
2012

● **Master of Philosophy**
New South Wales, Australia  University of Sydney

- Medicinal and computational chemistry
- Drug discovery and design
- Thesis title: Design, synthesis and testing of novel anti-cancer agents targeting secretory pathway calcium ATPase⁷

2006
|
2003

● **Bachelor of Pharmacy**
Otago, New Zealand  University of Otago