

JENNIFER HY LIN



DATA ANALYTICS PROJECTS

2022
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2022

● Long COVID - an update¹

RStudio IDE

- An update to show co-morbidities with high risk factors to suffer from long COVID
- Interactive map to show a selected group of countries with long COVID symptoms
- Data scraping from PDF format of journal paper

2022
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2022

● Drugs in rare diseases²

RStudio IDE and Jupyter notebook in Anaconda

- Dataset from FDA's Orphan Drug Product designation database
- Showed top 10 drugs that spent the longest time to develop (in Python)
- Data visualisation as timelines to show the duration of rare disease drug development (in base R and Tidyverse)

2022
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2022

● Natural history of rare diseases - malformation syndrome³

Jupyter notebook in Anaconda

- Focussed on malformation syndrome and life spans (in Python)

2022
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2022

● Phenotypes associated with rare diseases⁴

RStudio IDE and Jupyter notebook in Anaconda

- Revealed the most common rare disorders and their associated phenotypic features (in R mainly, with Python used for data cleaning)

2022
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2022

● Long COVID data in SQL⁵

Dbeaver

- Used SQL to show long COVID symptoms from a paper published in 2021

2022
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2022

● Long COVID dashboard⁶

Tableau Public

- Built a long COVID dashboard to show long COVID symptoms by using Tableau Public

CONTACT

✉ jennyhylin@gmail.com

🐦 [jenhylin](#)

🐙 [GitHub](#)

🔗 [Data in life](#)

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 2022-09-26.



EXPERIENCE

current
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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

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
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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 discovery⁷

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 ATPase⁸

2006
|
2003



Bachelor of Pharmacy

Otago, New Zealand



University of Otago

I enjoy using data analytics tools to work on health-related projects - always on the lookout for the next one to work on.