

# WARISSARA DETKANLAYA

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Link in Bio: [https://bit.ly/m/warissara\\_det](https://bit.ly/m/warissara_det)

A highly motivated data science aspirant with a keen interest in applying analytical skills and a continuous thirst for learning in a collaborative team environment. Actively seeking opportunities to contribute and grow as a data analyst, I bring forth a understanding of data analysis principles and a proactive approach to staying abreast of industry advancements through continuous learning. I am dedicated to making a tangible impact by providing data-driven insights and am committed to the ongoing pursuit of excellence in the field of data science.

## EXPERIENCE

### Graduate Student

- **Data Analyst/Scientific Researcher:** Extensively analyzed multi-dimensional datasets encompassing cell viability, proliferation, differentiation, HbF levels, and patient hematological parameters utilizing statistical software like GraphPad Prism. Leveraged data analysis to inform research design and validate hypotheses regarding the impact of LSD1 inhibitors and valproic acid on HbF expression.
- **Data Visualization and Communication:** Effectively communicated complex scientific findings through compelling graphical representations and presentations, tailoring content for both researchers and healthcare professionals.
- **Problem-Solving and Analytical Expertise:** Uncovered key trends and patterns within datasets, enabling the identification of promising HbF inducers with minimal toxicity.

### Undergraduate Student

- **Data Validation Specialist:** Played a crucial role in validating the accuracy and efficiency of a diagnostic tool through rigorous statistical analysis and insightful data visualization techniques.
- **Technical Proficiency and Data Quality Control:** Demonstrated strong proficiency in operating laboratory equipment and software to generate and analyze clinical diagnostic data.

## EDUCATION

- **Mahidol University** **Nakhon Pathom, Thailand**  
**Master of Science | GPA 4.00** **2023**  
Major: Medical Biochemistry and Molecular Biology (International program)
- **Thammasat University** **Pathum Thani, Thailand**  
**Bachelor of Science,** **2017**  
Major: Medical Technology

## CERTIFICATE AND TRAINING

- **Design Thinking 101** with Kamin - DataRockie (2023)
- **Power Query** (MS Excel, Power Pivot, Datamodel) - Data Rockie school (2023)
- **Mini Data Science Bootcamp** (fundamental MS Excel, SQL Database, and Dashboard and Report) - DataRokie (2023)
- **Computer Programming** (MS Word, Excel, PowerPoint, Access, and Adobe Premiere Pro) - Thai MOOC (2023)
- **R Crash Course:** The Fastest Way to Learn R (Data Rockie school)
- **Basic Bioinformatics** - PSU MOOC (2023)

## SKILLS / LANGUAGE

- **Microsoft Office**
- **Spreadsheets:** Excel, Google Sheet (Pivot Table, VLOOKUP, Power Query)
- **Programing:** R (tidyverse, ggplot2, dplyr, spldf), Python
- **SQL Database:** SQL (aggregate function, subquery, jointable, window function)
- **Data Visualization:** Power BI (DAX, Data model)
- **Statistics:** Regression, AB Test, Confidence Interval