

Warangkhanha Duangpaen

Bangkok, Thailand

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EDUCATION

Prince of Songkhla University

Songkhla, Thailand

Bachelor of Science in Statistic: GPAX 3.75 (First Class Honors)

2018-2021

- Relevant Coursework: Statistics, Probability, Sampling Technique, Linear Algebra, Multivariate, Data Management, Time Series, Database Management, Statistic for Quality Control

WORK EXPERIENCE

Want Want Company Thailand

Bangkok, Thailand

Data Analyst

July 2023- Present

- Analyzes sales performance and create a sales report to tract sales, sales target, and find insight from raw data to dive sales channels and find new opportunities for the brand report to country manager. (Power BI, Excel, and PPT tools)
- Created a sales expense report to control the operating cost of sales in monthly, quarterly, and yearly using Power BI, Excel, and PPT tools, report to sales manager.
- Prepared an Inventory dashboard to monitor inventory and shelf life of each product.
- Prepared Management Report data to support information to the Finance Team and Headquarters (ex. Gross Revenue, Gross Profit, COGS, and Overall Expense in the Thailand branch, etc.)
- Assisted Finance manager in breaking down and preparing operating costs and planned annual operating budget (AOP).

Food Innovation Service Plant (TISTR)

Pathum Thani, Thailand

Marketing

November 2022 – July 2023

- Manipulated and prepared a database about the customer information, business model, interested technology, channels, technology that provides service, repeated customers, and revenue for analysis using Google Sheets.
- Created a dashboard using Looker Studio to find insight. Get an overview of all the tasks to improve the service, expand channels and promote to well-known.
- Improved the performance of services from insights such as customers know us through word of mouth the most, 78.13% when compared to all channels. Therefore, the organization's core value is to provide good customer service and create a good impression after providing service to customers.
- Proposed marketing guidelines via Facebook by providing content to educate and publicize capital to entrepreneurs. In Q2/23, the number of entrepreneurs using the service via Facebook increased by 4.11% compared to Q1/23.
- Tracked payment status, revenue and outstanding balance of customers until be able to close the outstanding balance over 150K in Q2/23

Other Job: Flash Express Thailand (*Bulky User Operation*) [\[see detail\]](#)

ACADEMIC PROJECT

Thesis Project:

Forecasting the Remittances of the Overseas Thai Workers (Tools: SPSS, R, Excel, E-views)

- Collected data from the Bank of Thailand website. (Second Party Data)
- Explored data and literature review to find the good model for predicting and finding the model that best fits this data set, Therefore the result six model are Holt, Brown, Damp Exponential Smoothing, ARIMA (Box-Jenkins), Combined forecast base on regression and Combined forecast base on weight regression.
- Cleaned data and filtered missing values out, Total data 312 data set, split to train 300 data and test 12 data, then transform data using by Box-Cox transformation.
- Trained the six models explainable above using by SPSS program, then diagnostic checking using by Ljung-Box test (R). If the model doesn't pass, drop it out. If the model passes, take it into combined forecast based on regression and based on the weight regression model.
- Checked diagnostic combined forecast using by Ljung-Box test (R). If the model doesn't pass, drop it out. If the model passed, take it to evaluate the model.
- Achieved the combined forecast based on regression method is the most suitable method because it has the lowest MAE MAPE RMSE (MAE = 1501.965, MAPE = 9.634, RMSE = 219.080) and the trend of remittances in the next year tends to be higher.

Other Project: [Spatiotemporal analysis of association between alcohol outlet density and teenage drinking behaviors in Thailand: 2007-2017](#)

EXTRACURRICULAR ACTIVITIES

Data Science Bootcamp 7, DataRockie

- Google sheet: [Dynamic Query Project](#), [ID Card Parser Project](#)
 - SQL: [Create and Query Database](#)
 - R: [Bot-Café Q&A](#), [Rock-Paper-Scissor Game !](#), [Visualization](#)
- Web scraping: [Cryptocurrency Price from investing.com](#)
Python: [Sample-Store project](#)

Faculty of Science Student Club Prince of Songkla University 2019

- A head of the Art department in the Student Club
 - Responsible for organizing Loy Krathong Festival at the Faculty of Science.
- Head of recreation in Science PSU cheering

ADDITIONAL INFORMATION

- **Language skills:** Thai (native), English (B1)
- **Skill:** Excel (vlookup, pivot, power query), Google Sheets, R (caret, tidyverse), Python (pandas, numpy, sklearn), SQL, Statistic, Machine Learning, Dashboard (Power-BI, Tableau, Looker studio), API (get, request), Web scaping, SPSS, Minitab, Canva, Notion
- **Certificate:** Business Analytics, Data Science for everyone (Future skill), Data Science Bootcamp, Social Listening (DataRockie)
- **Interests:** Passionate about investment (Crypto, Mutual Fund, Stocks), book (Psychology, Self-Improvement)