SUKANYAPORN RUEDEECHUTIPORN

Data Analyst Intern

3rd year graduate student of bachelor of Science, major Applied Mathematics, KMITL.

About Me

Miss Sukanyaporn Ruedeechutiporn
Nickname: Bow
Date of Birth: Oct 15, 2003 (21yrs.)
Nationality: Thai
Hometown: Chonburi, Thailand

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Education

King Mongkut's Institute of Technology Ladkrabang (KMITL)
Bachelor of Science in Applied Mathematics
GPA: 3.87
2022 - present

Activities

2024
- Teaching Assistant for IoT Camp, Faculty of Science, KMITL
- Teaching Assistant for Workshop at Science KMITL Open house
- Won a silver medal at the SAS X KMITL Hackathon

2023
- Teaching Assistant for Foundation English 1, KMITL
- Team leader for Vidya Vidya 16th, Faculty of Science, KMITL

Reference

Laor Boongasame
Assoc. Prof. Dr./KMITL
Email: laor.bo@kmitl.ac.th

Profile

I am a responsible, enthusiastic, hard working person, and analytical thinking and problem solving. I have experience with statistical analysis, data science and analytics, data visualization, and database management. I good of the foundation of **artificial intelligence and machine learning** both in theory and algorithms. Competent in Microsoft **Excel**, **Python**, **R**, **SQL**, **Power BI** and Java.

Project in Course Data Science and Analytics

LSTM Demand Forecasting *2024*

This project used Long Short-Term Memory (LSTM) to forecast and manage logistics operations and supply chain planning by utilizing historical sales data of each item in each store, collected in a time series format. Use RMSE to assess the model's performance: the result is 4.53. Accordingly, the graph LSTM Predictions vs Actual Sales applied for management and planning logistics and supply chain.
Tools: MS Excel, RapidMiner, and Google Collab (Python)

Detection Fraud Insurance by Machine Learning *2024*

This project used supervised models, the logistic regression model, the decision tree model, and the random forest model to analyze. In the case of the imbalanced dataset, the Decision Tree model was the best-optimized model in contrast to handling imbalanced data by utilizing the Synthetic Minority Oversampling Technique (SMOTE) method, which made the Random Forest model the best model. Use a confusion matrix to assess and compare the model's performance.
Tools: MS Excel and RapidMiner

Insights of Customer Behavior by RFM Model *2024*

In order to find insights, this project analyzed customer segmentation using the RFM model and generated a dashboard from the uploaded data file. Sort the customers into eleven groups. Approximately 45% of customers have a high RFM level as a result. Champions, loyal customers, potential loyalists, need attention, and hibernating customers are the target customer segments of marketing strategies that are worth employing limited financial, time, and human resources.
Tools: Python and Streamlit

Skills

- Data Cleaning and Preprocessing
- Data Visualization
- Predictive Modeling
- Statistical Analysis
- Machine Learning Algorithms
- Programming Languages: R, Python, SQL, and Java
- Tools/Software: RStudio, RapidMiner, MySQL, Power BI, and Ms Excel
- Library: Streamlit, Matplotlib, TensorFlow, Pandas, and Numpy
- Others: Logistics Supply Chain Management and Investment Planning
- Intermediate English language
- Analytic and Critical Thinking
- Teamwork and Collaboration
- Time and Priority Management
- Flexibility and Adaptability