

Chan Myae Khine

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EDUCATION

Brandeis International Business School

Waltham, MA

Master of Science in Business Analytics (STEM) | Cumulative GPA: 3.82

08/2021 – 12/2022

Relevant Coursework: System Dynamics, Information Visualization, Analyzing Big Data, Python and Applications to Business Analytics, Machine Learning and Data Analysis

Ripon College

Ripon, WI

Bachelor of Arts in Business Management, Minor: Computer and Data Science | Cumulative GPA: 4.00

08/2017 - 06/2021

Relevant Coursework: Intro to Programming, Data Analysis and Visualization, Data Structure & Algorithms, Artificial Intelligence & Applied Machine Learning

TECHNICAL SKILLS

Programming Languages: Python, R (tidyverse, ggplot2, lme4), SQL, Stata

Computer Software: , Microsoft Excel (sumifs, countifs, vlookup), Qualtrics, Tableau, Tableau Prep, Trifacta Wrangler, Datarobot, Vensim

Analytics: Data Cleaning, Data Processing (numpy, pandas), Data Mining, Data Visualization (matplotlib), Machine Learning (ScikitLearn), Data Analysis (Descriptive, Exploratory, Inferential)

WORK EXPERIENCE

Ripon College Creative Enterprise Center

Ripon, WI

Director of Finance | Microsoft Excel, Python, Tableau

05/2020 - 05/2021

- Used Microsoft Excel to develop financial accounting ledgers and produce a 99% accuracy of billable and non-billable hours to clients having 90% efficiency in tracking and calculating bills
- Designed interactive Tableau dashboards to measure and monitor clients' financial transactions, donations, and grants using historical data to estimate next year's budget and present at student senate budgetary meeting
- Performed ad-hoc exploratory data analysis using Python on 100k+ college bookstores and its competitors' raw data with sales, inventory, customer profiles, and promotional offers to compare the most popular products among the stores
- Built 6 visualizations using Matplotlib to explore the distribution and summarize the products and days with the most sales
- Designed 3 approaches to decrease costs on low-sales products by 25% and increase marketing by 30% based on seasonal holidays and school events to promote sales, presenting to stakeholders to facilitate improvement in store performance

ACADEMIC PROJECTS

Brandeis International Business School

Waltham, MA

IMDb and Box Office Movie Rating | Tableau, Tableau Prep, Trifacta Wrangler, R

10/2022 – 12/2022

- Utilized Tableau prep and Trifacta Wrangler to pre-process 30k+ IMDb and Box Office data
- Visualized data into bar plot, box plot, scatterplot matrix, and tree map using Tableau and ggplot2 in R studio to explore the distribution and analyze the summary characteristics of 200k+ movies and TV shows
- Developed regression and classification models (multiple linear regression, boosted tree grid search) to present the attributes of the most popular movies; optimized the accuracy of multiple linear regression by 60%
- Created a 10+ page report about the characteristics of the most and least popular movies, recommending 3 approaches to producing successful movies

Walmart Sales Data Analysis | Python

01/2022 – 04/2022

- Utilized Python to pre-process 400k+ Walmart sales data using missing value imputation, feature selection using correlation, feature engineering, and stratified sampling
- Analyzed the relationship between sales and promotional offers with 10+ graphs (e.g. bar plot, line graph, heat map, scatterplot matrix) using seaborn and matplotlib
- Performed and optimized random forest model to 65% accuracy identifying the stores with the highest sales

Sports Retail Revenue Data Analysis | SQL

01/2022 – 04/2022

- Explored 3000+ data of different sports brands using correlation to analyze discounts, revenues, customer ratings, and reviews of sports brands using SQL
- Devised SQL queries using common table expressions (CTEs) and joining 2+ tables to produce 4+ categories based on customers' reviews, recommending 2 approaches to increase revenue based on brand discounts and user preferences