

A central graphic element consists of three sets of wavy lines in light blue, purple, and grey, forming a grid-like pattern that tapers towards the top and bottom. Two horizontal arrows are positioned above and below this central area. The top arrow is a thin black line with a small arrowhead pointing left. The bottom arrow is a thicker black line with a larger arrowhead pointing right. The entire composition is set against a white background.

About Me

Project

Certification

Contact

Devanaga Saputra



Data Enthusiast

An ambitious data aficionado eager to apply knowledge in descriptive, predictive, and prescriptive statistics to practical challenges. Excels in data preparation, analysis, and presenting findings in an understandable manner. Aspires to shape sustainable, accessible, and inclusive business practices through data science. Skillset includes Python, R, SQL, and statistical modeling, with a goal to drive real accountability and professional growth in a supportive team environment.

About Me

Hello, I'm Devanaga Saputra. As a recent graduate in Mathematics with a keen interest in data analysis, I've undertaken several projects. I'd like to share some of these projects and what I've learned from them.



Education

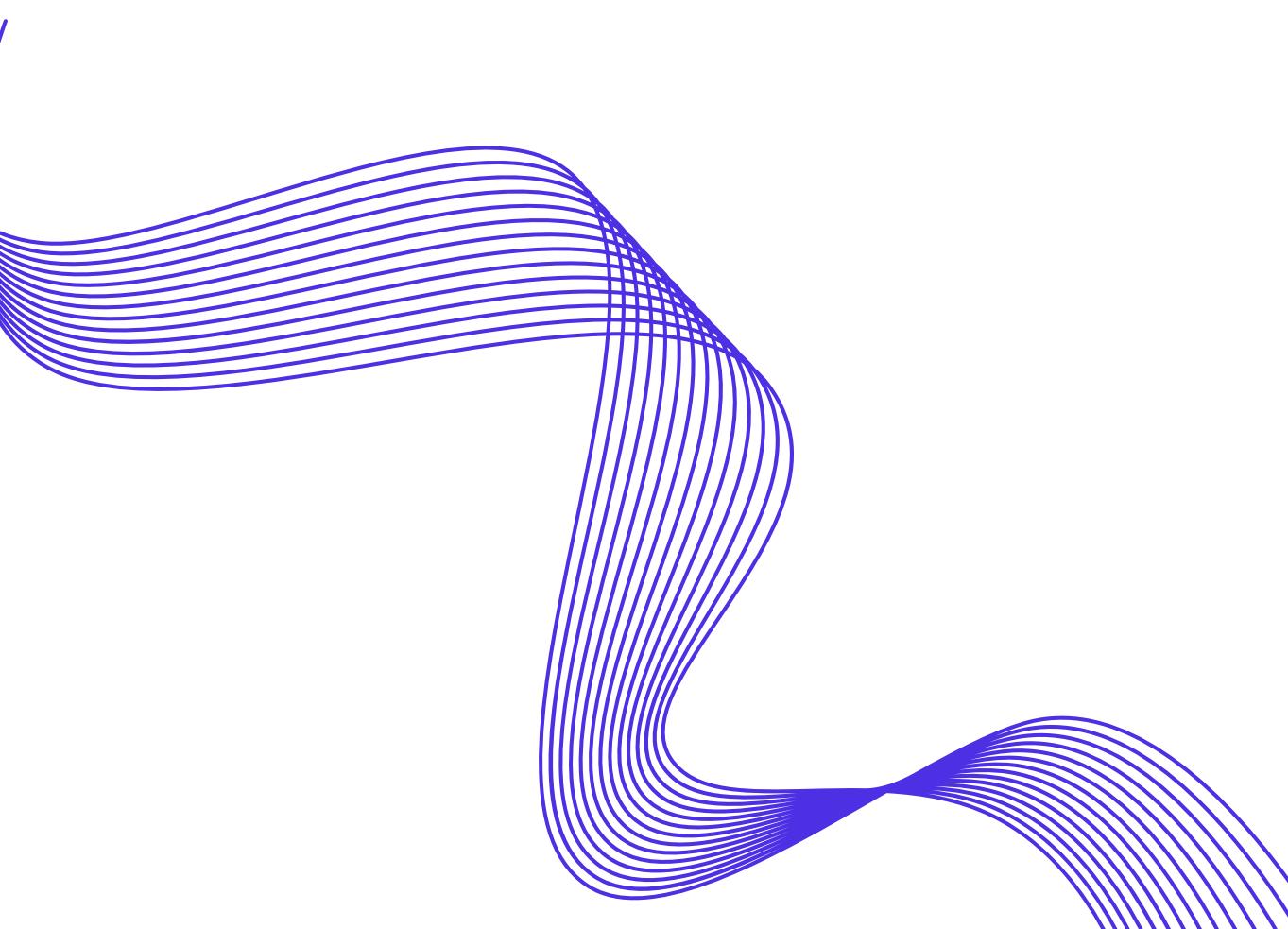
University of Udayana

Bachelor of Science, Mathematics

2019 - 2024

Skill & Tools

Skill: Statistics, Statistics Modelling, Machine Learning, Data Analysis, Data Visualization
Tools: Python, R, Excel, SPSS, Ms.Excel



Final Assignment Project: Student Graduation Classification using R

- **Introduction:** For my final project, I undertook a study on predicting student graduation using R. The aim was to develop a classification model that could accurately classify whether a student would graduate or not based on various academic and non-academic factors. This project was a culmination of my studies in data analysis and provided valuable insights into predictive modeling techniques.
- **Project Objective:** The primary objective of this project was to create a classification model capable of predicting student graduation with a high level of accuracy. By analyzing historical student data and identifying key features, I aimed to build a model that could assist academic institutions in identifying at-risk students and implementing interventions to improve graduation rates.
- **Result and Insight:** I implemented various classification algorithms, including C4.5 algorithm, decision trees, and random forests. The classification model achieved a high accuracy rate of 87.5% and 0.8332 AUC, indicating its effectiveness in predicting student graduation. I evaluated the performance of each model using metrics such as accuracy, MSE K-fold, and value of AUC.

This project can be accessed at the following link: <https://ojs.co.id/1/index.php/jlpi/article/view/671>

Sentimen Analysis Whatsapp on Android APP

- **Introduction:** This project focuses on analyzing the sentiment of WhatsApp chats using an Android app. The aim is to develop a model that can accurately classify the sentiment of messages as positive, negative, or neutral. This project explores natural language processing techniques to gain insights into the sentiment of conversations.
- **Project Objective:** The primary objective of this project is to analyze user opinions of the WhatsApp Android app and develop predictive models to classify these opinions as positive, negative, or neutral. Specifically, the project aims to:
 - Identify trends in user opinions over time, highlighting any shifts or patterns in sentiment.
 - Evaluate the performance of various machine learning models, including Multinomial Naive Bayes, Bernoulli Naive Bayes, Decision Tree, Random Forest, Extra Tree Classifier, and AdaBoost, in predicting user opinions.
 - Determine the most frequent words or topics associated with positive and negative reviews, providing insights into the key factors influencing user sentiment towards the WhatsApp Android app.
- **Result and Insight:** The evaluation of machine learning models for sentiment analysis of WhatsApp Android app reviews revealed that the Multinomial Naive Bayes model emerged as the most suitable choice, boasting an accuracy of 75.37% and a precision of 69.58%. However, both the Random Forest and Extra Trees Classifiers also demonstrated competitive performance, indicating their potential for effectively capturing and classifying user sentiments. The emphasis on accuracy and precision underscores the importance of correctly identifying user sentiments to enhance the reliability of sentiment analysis results. This evaluation provides valuable insights for app developers and marketers to understand user sentiments accurately, identify areas for improvement, and tailor strategies to enhance user experience and satisfaction.

For the steps involved in working on this project, please refer to the following link: <https://github.com/DeppahNs/Sentiment-Analysis>

Customer Segmentation For SuperStore

- **Introduction:** For my final project, I conducted an in-depth study on customer segmentation using data from the Superstore retail dataset. The objective was to segment customers based on their purchasing behavior and demographic characteristics. This project marks the culmination of my exploration into customer analytics and provides valuable insights into marketing strategies and customer relationship management.
- **Project Objective:** The primary objectives of the customer segmentation analysis are to pinpoint the most profitable customers, delineate distinct characteristics for each customer segment, and identify preferred products or services by segment. By identifying the most profitable customers, the company aims to prioritize resources and tailor marketing strategies to retain and engage these valuable customers effectively. Moreover, defining distinct characteristics for each customer segment allows for targeted marketing efforts and personalized customer experiences, based on shared demographics, purchasing behavior, and preferences.
- **Result and Insight:** The customer segmentation analysis revealed several distinct segments with varying purchasing behaviors and demographic profiles. Key insights from the project included identifying high-value customers, understanding the preferences of different customer segments, and tailoring marketing strategies to target specific segments effectively.
- **Conclusion:** this project demonstrates the power of customer segmentation in enhancing marketing efforts and driving business growth. Future work could focus on refining the segmentation model by incorporating additional data sources and advanced machine learning techniques to further optimize customer targeting and personalization. Overall, this project underscores the importance of data-driven approaches in customer analytics and business strategy development. terjemahkan

For the steps involved in working on this project, please refer to the following link: <https://github.com/DeppahNs/Customer-Segmentation>

Certification



EXAM SCORE REPORT

CANDIDATE	
Devanaga Saputra	Jl. Raya Sukanagara-Pagelaran Alpine Photo Kp. Paratag 004/005 Cianjur 43264
	devanagas7@gmail.com

EXAM	
Microsoft Excel Expert (Office 2019)	
Exam reference #: 41117818	
Date: April 6, 2022	
ID: Deppah	

RESULTS	100	200	300	400	500	600	700	800	900	1000
Required Score										
Your Score										

SECTION ANALYSIS	
Manage Workbook Options and Settings	100%
Manage and Format Data	50%
Create Advanced Formulas and Macros	50%
Manage Advanced Charts and Tables	57%

FINAL SCORE	
Required Score	700
Your Score	700

OUTCOME	
Pass	✓



EXAM SCORE REPORT

CANDIDATE	
Devanaga Saputra	Jl. Raya Sukanagara-Pagelaran Alpine Photo Kp. Paratag 004/005 Cianjur 43264
	devanagas7@gmail.com

EXAM	
Microsoft Excel (Office 2019)	
Exam reference #: 40826891	
Date: March 4, 2022	
ID: Deppah	

RESULTS	100	200	300	400	500	600	700	800	900	1000
Required Score										
Your Score										

SECTION ANALYSIS	
Manage Worksheets and Workbooks	80%
Manage Data Cells and Ranges	75%
Manage Tables and Table Data	67%
Perform Operations by using Formulas and Functions	100%
Manage Charts	75%

FINAL SCORE	
Required Score	700
Your Score	825

OUTCOME	
Pass	✓



EXAM SCORE REPORT

CANDIDATE	
Devanaga Saputra	Jl. Raya Sukanagara-Pagelaran Alpine Photo Kp. Paratag 004/005 Cianjur 43264
	devanagas7@gmail.com

EXAM	
AZ-900: Microsoft Azure Fundamentals	
Registration ID: 423444195	
Exam reference #: 41867752	
Date: June 8, 2022	
ID: Deppah	

RESULTS	100	200	300	400	500	600	700	800	900	1000
Required Score										
Your Score										

SECTION ANALYSIS	
Describe cloud concepts (25-30%)	86%
Describe Azure architecture and services (35-40%)	79%
Describe Azure management and governance (30-35%)	81%

FINAL SCORE	
Required Score	700
Your Score	820

OUTCOME	
Pass	✓

Certification



EXAM SCORE REPORT

CANDIDATE		EXAM								
Devanaga Saputra Jl. Raya Sukanagara-Pagelaran Alpine Photo Kp. Paratag 004/005 Cianjur 43264 devanagas7@gmail.com		DP-900: Microsoft Azure Data Fundamentals Registration ID: 426133380 Exam reference #: 42109327 Date: July 13, 2022 ID: Deppah								
RESULTS	100	200	300	400	500	600	700	800	900	1000
Required Score										
Your Score										
SECTION ANALYSIS		FINAL SCORE								
Describe Core Data Concepts (25-30%)		Required Score 700								
Identify Considerations for Relational Data on Azure (20-25%)		Your Score 766								
Describe Considerations for Working with Non-relational Data on Azure (15-20%)										
Describe an Analytics Workload on Azure (25-30%)										



EXAM SCORE REPORT

CANDIDATE		EXAM								
Devanaga Saputra Jl. Raya Sukanagara-Pagelaran Alpine Photo Kp. Paratag 004/005 Cianjur 43264 devanagas7@gmail.com		AZ-900: Microsoft Azure Fundamentals Registration ID: 423444195 Exam reference #: 41867752 Date: June 8, 2022 ID: Deppah								
RESULTS	100	200	300	400	500	600	700	800	900	1000
Required Score										
Your Score										
SECTION ANALYSIS		FINAL SCORE								
Describe cloud concepts (25-30%)		Required Score 700								
Describe Azure architecture and services (35-40%)		Your Score 820								
Describe Azure management and governance (30-35%)										
OUTCOME										
Pass		✓								

Contact

+62815-4674-3628

<https://github.com/DeppahNs>

devanagas7@gmail.com

Jakarta Barat

I am actively seeking new career opportunities and
am open to exploring roles in Data analysis and
related fields . If you are interested in discussing
potential opportunities, please feel free to contact

thanks

Portfolio