AUDHI APRILLIANT

Faculty of Mathematics and Natural Science (FMIPA) Statistics, IPB University

- audhiaprilliant.github.io
- in linkedin.com/in/audhiaprilliant
- medium.com/@audhiaprilliant
- github.com/audhiaprilliant
- □ audhiaprilliant@gmail.com
- +6285716903536



INTEREST

Data Analysis | E

Business Intelligence

Data Mining

Data Visualization

NLP

Programming



Programming Language

Library

R (Advanced), Python (Intermediate), Shell Scripting (Basic) Caret, Tidyverse, Ggplot2, Numpy, Pandas, Scikit-learn, Psycopg2, Plotnine, Tensorflow (Basic), OpenCV, Selenium, BeautifulSoup

Databases and Data

Microsoft SQL Server, MySQL, PostgreSQL, CSV, JSON

Data Visualization

Analytics

Microsoft Office, Google Analytics

DevOps

Docker container (Basic)

Tableau, Power BI

Google Cloud Platform

BigQuery, StackDriver Logging, IAM Policy Export, Virtual Machine

PROFESSIONAL EXPERIENCES

Sep 2020-

Now Full-time

Data Scientist, Dattabot, Jakarta, Indonesia

- Initiate the ideas and solve client's problem using data analytics approach, such as data preprocessing with machine learning, dashboard monitoring, internal policy, etc
- Create APIs for dashboard monitoring and self-service data preprocessing using Flask
- Create a data migration using Python for dashboard monitoring
- As a trainer for data analytics bootcamp in several companies to expand employee data awareness, mindset, and skills
- As a core data team for the development of internal SaaS in data preprocessing called Mobius

Python Flask API Shell PostgreSQL Cronjob EC2 S3

Sep 2020- |

Now Freelance

Technical Writer, Towards Data Science, Toronto, Canada

As a Technical Writer, I am responsible for writing articles related to Data Science, Data Analytics, Statistics, Python programming, etc. Some of the articles are as follows:

- Getting Started with Git and GitHub: A Complete Tutorial for Beginner
- Create a Simple Continuous Integration (CI) for Medium RSS Feed in GitHub Profile README
- Getting Started with Cronjob in the Linux Server: A Complete Tutorial for Beginner

Apr 2020- |

Jul 2020 Full-time

Data Solution Engineer, LinkAja, Jakarta, Indonesia

- Joined in IT and Big Data Team to provide IAM Policy logs in Google Cloud Platform for monitoring new user and service account
- Using BigQuery as cloud database to store historical data of IAM Policy using query procedures and apache airflow as workflow management as directed acyclic graphs (DAGs) of task
- Build aggregated sink to store admin activity and data access in Google Cloud Platform to monitor user who grants any roles or create service account for services

BigQuery | Airflow | ETL | Analytics | Logging | Shell

Jun 2019-Aug 2019 Intern

Data Analyst, Iris Worldwide Indonesia, Jakarta, Indonesia

- Joined in Customer Relationship Management (CRM) to build an automation system for partitioning data as a request for several campaigns.
 I am responsible to make the program using R
- Perform data cleansing using Microsoft Excel and R to handle the messy data and provide it to the Iris campaign system for the client needs
- Learn Google Analytics to get insights and transform them into a weekly and monthly report
- Improve the query performance for generating reliable data in weekly and monthly reports

Microsoft Office R Microsoft SQL Server Google Analytics



Aug 2019-Dec 2019

Explanatory Data Analysis, IPB University, Bogor, Indonesia

- Introduce data manipulation and data pre-processing using R, give a hands-on tutorial using ggplot2 as the grammar of graphics, and introduce several kinds of plot to visualize our data properly
- Teach statistical methods to understand the data properly, such as robust regression, local regression, Q-Q plot, etc

R ggplot2 Data Manipulation Data Visualization

Aug 2019-Dec 2019

| Regression Analysis, IPB University, Bogor, Indonesia

- Help student understand the concept of linear regression and its application in real problem, Gauss Markov assumptions, Principal Component Analysis (PCA), stepwise regression, and manual mathematical calculation to obtain a valid conclusion
- Teach how to use Minitab and R as data analysis tools, especially in regression analysis, for instance to check assumptions, create data viz, and perform data manipulation

R Minitab Data Analysis

Aug 2018-Dec 2018

Statistical Method, IPB University, Bogor, Indonesia

- Teach the student from the Faculty of Veterinary Medicine the basic knowledge of statistics, how to build data awareness and skills
- Introduce Minitab as data analysis tool, how to operate it and give some tips and tricks for the basic analysis

Minitab Microsoft Excel



IPB University 2016 – 2020

Majoring in Statistics – GPA 3.76 of 4.00

Final year research in Natural Language-based Financial Forecasting (NLFF) as a field of Natural Language Processing (NLP) and financial analysis

Relevant coursework

 Explanatory Data Analysis
 Statistical Theory
 Regression Analysis
 Multivariate Analysis
 Sampling Method

 Statistical Method
 Algorithm and Programming
 Database

Minor courses

Data Mining Financial Mathematics

O HONORS AND AWARDS

The 1st Place of Data Mining Competition, Telkom University

Nov 2019

National Data Summit – HIMA MBTI and Research Center Telkom University

Presented a paper of "Analisis Daerah Berpotensi dan Estimasi Potensi Daya Angin Menggunakan Deep Neural Network Guna Mencapai Sustainable Development Goals 7: Affordable and Clean Energy dengan Studi Kasus Provinsi NTB, Indonesia"

The 4th Place of Data Mining Competition, Telkom University

Oct 2019

GEMASTIK XII – Kementerian Riset Teknologi dan Pendidikan Tinggi

My team sent a paper which discusses the implementation of Deep Neural Network (DNN) for finding potential area in the development of wind power generation. In the final stage, we're asked to build image classification using Convolutional Neural Network (CNN)

The 2nd Place of Data Analysis Competition, ITS

Apr 2019

Data Analysis Competition ASEAN Region – Himpunan Mahasiswa Statistika ITS

Built a classification model to predict churn status of telecommunication customer and presented it in front of judges and participants. My team also won the best poster for the US Air Quality Index (AQI) analysis done in the preliminary stage

The 2nd Place of Essay Competition, Brawijaya University

Apr 2019

Hi-Great Essay Competition – Himpunan Mahasiswa Teknologi Pertanian

Presented the prototype of SmartSQ, smart mobile apps as a centralized monitoring system for quality control in agroindustry. Worked in a team as founder, writer, and graphic designer

The 2nd Place of Business Plan Competition, Padang National University

Oct 2018

Gebyar Wirausaha Mahasiswa Nasional – Unit Pengembangan Karir dan Kewirausahaan UNP

Presented an idea of Cheese Cake, new concept local food as the competitor of Lapis Talas Sangkuriang for tourism in Bogor. Worked in a team as co-writer and graphic designer. Our poster was chosen as the best business poster

Top 15 of Business Plan Competition, Tower Bersama

Aug 2018

TBIG CreatiON 2018 – Tower Bersama Infrastructure Group (TBIG)

Created and presented a business proposal of Waste Trader, an innovative marketplace for reducing and recycling the inorganic waste in Indonesia. Selected as the top 15 best business model over 500+ applicants



Web Scraping and Automation

2019 - Now

- Build Pyhon and R program to scrape data from website automatically as the request of a client, needs of final year research, and as a hobby
- There are any kind of automation program built such as news content scraper (Kompas, Detik, and Okezone), the robot in Knapsack Family site to get information of metabolite, Shopee Seller Scraper, Covid19 Kompas scraper

R | rvest | Python | BeautifulSoup | Selenium | ChromeDriver | Cronjob | Shell Scripting

Kaggle Competition (team)

Jul 2019 – Jan 2020

- Joined Kaggle data competition hold by universities in Indonesia, such as IPB University, Gadjah Mada University, Bandung Institute of Technology (top 10 or top 15)
- Use data manipulation and features engineering for pre-processing and machine learning approach (classification or regression), such as Random Forest, Support Vector Regression, Decision Tree, etc

R Python Data Manipulation caret ggplot2 Scikit-learn Markdown

Sentiment Analysis on Twitter

Jun 2019

- Create end-to-end analysis of sentiment analysis on Twitter after the Pemilu 2019
- Determine the sentiment using the lexicon-based approach, perform data viz for volume of tweets and sentiment proportion using ggplot2, and build hate-speech classification model using Naive Bayes

twitteR Tidyverse Caret StringR katadasaR

ARTICLES AND PUBLICATION

Analytics Vidhya Sep 2020 - Now

- Introduction to Apache Airflow as the Job Orchestration: A Quick Tutorial for Beginner
- Getting Started with Selenium WebDriver for Web Scraping Using Python

Towards Data Science

Sep 2020 - Now

- Introduction to Correspondence Analysis Using R and Indonesia Real Dataset
- The Implementation of Concave Function to Interpolate Stocks Data Using Python
- Etc

WORKSHOP, COURSE & CERTIFICATION

Data Analytics Workshop - Tokopedia

Sep 2020

TOEFL Preparation Test – English Period Bogor

Programming Essentials in Python – Python Institute

TOEFL Score 497

Oct 2019

A course about fundamental programming techniques, data sctructure, algorithm, function, etc

Fundamental SQL – Datacamp

Jun 2019 – Aug 2020

Course 1 – Introduction to SQL (basic of querying tables in RDBMS)

Course 2 – Joining Data in SQL (learn various join clauses in SQL)

Course 3 – Intermediate SQL (subquery, correlated query, window function)

Learn SQL Basics for Data Science Specialization Course - Coursera

Jun 2020 – Aug 2020

Course 1 – SQL for Data Science

Course 2 – Data Wrangling, Analysis, and AB Testing wtih SQL

Course 3 – Distributed Computing with Spark SQL

Course 4 – SQL for Data Science Capstone Project

Introduction to Git and GitHub - Coursera

Jul 2020

Learn how to keep track of the different versions of code and configuration files using Git



Moderator of Statistics Academy 3.0

May 2021

Gamma Sigma Beta – Statistics Club, IPB University

EXPERIENCES

Head of Science Department

Jan 2019 - Oct 2019

Gamma Sigma Beta – Statistics Club, IPB University

- Lead the staff and department's program to reach the KPI
- Update statistics competition info and also student achievements
- Manage and developed a tutor system
- Create the sharing session with a topic in Statistics, its application, and future job

Vice Chairman of Committe The 13th Statistika Ria

Jan 2018 – Nov 2018

Department of Statistics, IPB University

Statistika Ria is one of the largest Statistics events in Indonesia. The 13th Statistika Ria is an international event consists of the international seminar, talkshow, and competition. The 13th Statistika Ria has the theme "Data Monetizing". My responsibilities as the vice chairman are as follows.

- Create a concept for the main event
- Support the competition division, media and branding division, and logistics division

Feb 2020