SOLICHATUS **ZAHROH**

MASTER STUDENTS OF METHODOLOGY AND STATISTICS

Utrecht ● +31687769734 ● solichatuszahroh@gmail.com

https://linkedin.com/in/solichatuszahroh

WORK EXPERIENCES

OCTOBER 2023 – PRESENT
STUDENT ASSISTANT, UTRECHT UNIVERSITY

- Creating documentation for MICE API.
- Testing the API in R, Python, Bash

SEPTEMBER 2023 – PRESENT
INTERNSHIP, CENTRAAL BUREAU VOOR DE STATISTIEK

- Doing project for master thesis.
- Involving in travel purpose prediction (travel survey using GPS data).

AUGUST 2021 – AUGUST 2022
SALES OPS ANALYST, ZENIUS EDUCATION

- Tracked the quantitative monitoring points along the sales workflow.
- Facilitated a good coordination flow between Telesales team and other functions.
- Ensured all systems operate smoothly and align with company's quality standards
- Monitored daily operations and address potential issues when they arise.

JANUARY 2021 – SEPTEMBER 2021
GENERAL SUPPORT, SERVPLUS INDONESIA

- Collected, classified, review, analyze, and prepared recommendations for the business purposes of each client.
- Evaluated and presented data and information on clients' performance.

AUGUST 2020 – MAY 2021
RESEARCH ANALYST (FREELANCE), BASMALAH CORPORATION

- Analyzed data and information to improve operations by developing and conducting user surveys.
- Documented all research data and procedures for future projects and generate reports based on research on the market and industry trends and patterns.
- Identified problems and solved it through forecasting, quantitative analysis, research, and statistical analysis.

EDUCATION

2022 - PRESENT
MASTER OF METHODOLOGY AND STATISTICS FOR THE BEHAVIOURAL, BIOMEDICAL, AND SOCIAL SCIENCES, UTRECHT UNIVERSITY

Following an EMOS track and doing an internship at Centraal Bureau voor de Statistiek (Statistics Nederlands). The project I involved is a travel purpose prediction using GPS data (smart-survey).

2016 - 2020
BACHELOR OF STATISTICS, UNIVERSITAS PADJADJARAN

Maintained a 3.61 GPA through a well-balanced program of study, which is not very analytical and technical by nature but also helps to build leadership and team-building qualities. The final task titled "Applied of Long Short-Term Memory for Modeling and Forecasting Maximum and Minimum Temperature in Bandung"

PUBLICATIONS

Purwandari, T, **Zahroh S**, Hidayat Y, *et al*. Forecasting model of COVID-19 pandemic in Malaysia: An application of time series approach using neural network. *Decision Science Letters* 11(1): 35-42, 2022.

Pontoh R S, Salsabila F, Garini F C, Fatharani R A, **Zahroh S**, Supartini E. Clustering of fishery management areas based on the level of utilization in Indonesia. *Communication in Mathematical Biology and Neuroscience* 2021:74, 2021.

Toharudin T, Pontoh R S, Caraka R E, **Zahroh S**, *et al.* National Vaccination and Local Intervention Impacts on COVID-19 Cases. *Sustainability* 13(15): 8282, 2021.

Toharudin T, Pontoh R S, Caraka R E, **Zahroh S**, *et al.* Indonesia in Facing New Normal: An Evidence Hybrid Forecasting of COVID-19 Cases Using MLP, NNAR, and ELM. *Engineering Letters* 29(2), 2021.

Pontoh R S, **Zahroh S**, Akbar A, Jiwani N M, and Sunengsih N. Children Mental Health in Bandung during COVID-19 Pandemic: A Cross-Sectional Study. *Communications in Mathematical Biology and Neuroscience* 2021:37, 2021.

Pontoh R S, **Zahroh S**, Sunengsih N. New normal policy on the Rupiah exchange rate using Long Short-Term Memory. *Journal of Physics: Conference Series,* 1863(2021) 012063, 2021.

Pontoh R S, **Zahroh S,** Nurahman H R, Aprillion R I, Ramdani A, Akmal D. I. Applied of feed-forward neural network and facebook prophet model in train passengers forecasting. *Journal of Physics: Conference Series,* 1776(2021) 012057, 2021.

Zahroh S, Pontoh R S. Education as an important aspect to determine human development index by province in Indonesia. *Journal of Physics: Conference Series,* 1722(2021) 012106, 2021.

Pontoh R S, **Zahroh S**, Sunengsih N. Causal impact of PSBB and new normal in West Java. *Journal of Physics: Conference Series,* 1722(2021) 012088, 2021.

Toharudin T, Pontoh R S, R E Caraka, **Zahroh S**, Youngjo L, Chen, R C. Employing Long Short-Term Memory and Facebook Prophet Model in Air Temperature Forecasting. *Communication in Statistics: Simulation and Computation,* 2021.

Toharudin T, Pontoh R S, **Zahroh S**, Akbar A, and Sunengsih N. Impact of large-scale social restriction on the COVID-19 cases in East Java. *Communication in Mathematical Biology and Neuroscience* 2020:56, 2020.

Pontoh R S, Toharudin T, **Zahroh S**, and Supartini E. Effectiveness of the public health measures to prevent the spread of COVID-19. *Communication in Mathematical Biology and Neuroscience* 2020: 31, 2020.

Zahroh S, Pontoh R S, Hidayat Y, Jiwani N M, Supartini E, Sukono. Indonesian Rupiah Exchange Rate in Facing COVID-19 (A Time Series-Machine Learning Approach). *Journal of Advanced Research in Dynamical and Control System,* 12(6), pp. 862-872, 2020.

Pontoh R S, **Zahroh S,** Hidayat Y, Aldella R, Jiwani N M, Sukono.Covid-19 Modelling in South Korea Using a Time Series Approach. *International Journal of Advanced Science and Technology,* 29, pp. 1620-1632, 2020.

Zahroh S, Hidayat Y, Pontoh R S, Santoso A, Sukono, Bon A T. Modeling and Forecasting Daily Temperature in Bandung. *Proceeding of the International Conference on Industrial Engineering and Operations Management,* Riyadh, Saudi Arabia, pp. 406-412, November 2019.

ACTIVITIES

- Participant of Digital Talent Scholarship for Data Scientist Program (2021).
- Participant in Digital Marketing Introduction Mini-Course from RevoU (2021).
- Participant in Machine Learning Introduction from Dicoding (2021)
- Contributing Speaker at International Conference on Mathematics, Statistics, and Data Science (2020).
- Speaker at the 10th International Conference and Workshop on High Dimensional Data Analysis (2020).