

# Deri Siswara

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## PROFESSIONAL SUMMARY

Research/Data Analyst with a background in Statistics and Economics. Experienced in survey design, creating dashboards, impact assessment, econometric modeling, and teaching. Worked on various projects across multiple sectors, bringing unique and diverse perspectives to problem-solving.

## PROJECTS

**Non-Cash Social Assistance Monitoring Survey 2025** May 2025 — Oct 2025  
Researcher Bank Indonesia

- Developed technical guidelines for implementing the Non-Cash Social Assistance Monitoring Survey 2025
- Created data entry tools for survey result collection
- Prepared technical coordination materials for Bank Indonesia’s Domestic Representative Offices
- Conducted data processing and analysis of the monitoring survey results

**Implementation Study of Food Safety in APEC Regions** May 2025 — July 2025  
Consultant/Data Analyst APEC Project: SCSC\_102\_2024T

- Analyzed survey data on food safety management systems for street vendors and small businesses in APEC regions
- Presented findings at a stakeholder workshop in Bali, Indonesia (July 22-23, 2025)

**Outlier Detection Study in Banking Report Data** Jun 2024 — Mar 2025  
Consultant/Data Analyst Bank Indonesia

- Researched and implemented various statistical methods for outlier detection in daily and monthly banking report data
- Identified optimal outlier detection methods and thresholds for improving the accuracy of financial reporting systems
- Conducted knowledge sharing sessions

**Socio-Economic Impact Analysis of Subsidized Fuel Restrictions** Feb 2024 — Aug 2024  
Consultant/Data Analyst PT Pertamina (Persero)

- Focused on assessing the socio-economic impacts of subsidized fuel restrictions, including effects on poverty, unemployment, inflation, and economic growth
- Applied econometric methods, data analysis, microeconomics principles, and market research techniques

**Food Price Analysis** May 2023 — Nov 2023  
Consultant/Data Analyst KPPU

- Analyzed the price transmission mechanism of 10 selected commodities using Nonlinear Autoregressive Distributed Lag (NARDL) models

**In House Training (IHT)** Oct 2022  
Trainer Bank Indonesia Institute (BINS)

- Conducted training on statistics and econometrics tools, covering courses such as univariate time series, multivariate time series, and panel data using RStudio

**Customer Classification and Sector Mapping Study** Feb 2022 — Aug 2022  
Junior Data Analyst IPB Univerisity and PT. Pegadaian

- Developed customer classification model based on the probability of default using logistic regression
- Conducted sectoral mapping of non-pawned products for each regional office of PT. Pegadaian

## WORK EXPERIENCE

**Adjunct Lecturer** Feb 2025 — June 2025  
Perbanas Institute Jakarta, ID

- Teaching Machine Learning course for the Data Science Program in the Faculty of Information Technology
- Developing curriculum and practical lab sessions for undergraduate students

**Assistant Lecturer** Feb 2021 — Dec 2024  
IPB University Bogor, ID

- Teaching courses including General Economics, Econometrics I, Econometrics II, Quantitative Methods, and Empirical Finance

SKILLS

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- **Programming Languages:** R, Python, SQL, HTML/CSS, Markdown, Typst
- **Statistical Software:** EViews, Stata, SPSS, RStudio, Jupyter Notebook
- **Data Visualization & Publishing:** Tableau, Looker, Quarto

EDUCATION

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IPB UniversityBogor, ID

Bachelor of Economics (2020)

MSc in Statistics and Data Science (2024)

PUBLICATIONS

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Metode Kuantitatif dengan RStudio2024

BookIPB Press

Aplikasi Model Ekonometrika dengan RStudio2024

BookIPB Press

Regional Tourism Development in Nusa Tenggara Barat: Maximizing Local Economic Development2022

EcceS: Economics Social and Development Studies 9 (2), 107-127

Classification Modeling with RNN-based, Random Forest, and XGBoost for Imbalanced Data: A Case of Early Crash Detection in ASEAN-5 Stock Markets2024

Scientific Journal of Informatics, 11(3), 569-582

HONORS & AWARDS

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- **Jabar Future Leaders Scholarship** (Sep 2021)
- **Oral presentation** - 12th International Conference on Islamic Economics & Finance (Aug 2020)