FARHAN REYNALDO HUTABARAT

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EDUCATION

Columbia University | **New York, USA**
Master of Arts in Quantitative Methods in the Social Science | Sep 2023 – Dec 2024
- **Honors**: 4.0 / 4.0 GPA
- **Courses**: Applied Regression and Causal Inference, Experimental Methods, Statistical Theory and Causal Inference, Bayesian Statistics for the Social Sciences, Time Series, Panel Data & Forecasting, Data Visualization

Institut Teknologi Bandung | **Bandung, Indonesia**
Bachelor of Engineering in Biological Engineering | Aug 2013 – Oct 2017
- **Honors**: 3.57 / 4.0 GPA
- **Courses**: Data Analysis and Interpretation, Mathematics 1A, Mathematics 2A, Bioengineering Mathematics

WORK EXPERIENCE

Alt Surya | **New York, USA**
Climate Risk Modelling Analyst | Jun 2024 – Aug 2024
- Developed transition risk model using proxy data to predict Indonesia's industrial sector output.

Institute for Social and Economic Research and Policy (ISERP) | **New York, USA**
Research assistant | Mar 2024 – Aug 2024
- Conducted inter-rate reliability coding of numerous research papers to extract effect sizes and directionality of results under the supervision of Professor Donald P. Green in the Political Science department.
- Conducted research on public opinion data on judicial evaluations and sentencing preference.
- Collected and preprocessed superior court election result from 2000 to 2020 from 5 most populous Arizona counties.

Tokopedia | **Jakarta, Indonesia**
Senior data analyst | Nov 2021 – Jul 2023
- Implemented A/B testing for video recommendations increasing the click-through rate by 21% in the live shopping platform.
- Built a reporting dashboard in Tableau saving 26 hours of manual effort each month.
- Delivered insights and actionable recommendations for three business units: live shopping, feed, and an affiliate platform.

Delman Data Lab | **Jakarta, Indonesia**
Data scientist | Aug 2020 – Nov 2021
- Revamped Delman.io's data platform's identity matching algorithm increasing processing speed by 20x.

Dattabot | **Jakarta, Indonesia**
Lead data scientist | May 2018 – Aug 2020
- Implemented routing optimization for Fast-moving consumer goods (FMCG) clients with more than 5,000 outlets and minimized overall distance traveled by 30%.
- Built algorithm to monitor inventory anomaly for a fast-growing F&B chain with 200+ outlets across the country by integrating various data sources into Hadoop.
- Performed ad-hoc analyses, which include end-to-end modeling of data cleansing automation and analytics for composite indicators, potential area mapping, customer profiling, and fraud detection.

SKILLS, LANGUAGES, INTERESTS

- **Languages**: English (Professional proficiency), Indonesia (Native speaker), Spanish (Basic proficiency)
- **Technical fluencies**: Machine learning, Statistics, Field experiment, Causal inference, Bayesian analysis, Forecasting, Data visualization
- **Programming**: Python, R, SQL, PostgreSQL, BigQuery, Stan, Typst
- **Tools**: R markdown, Quarto, Git, Docker, RStudio, Visual Studio Code
- **BI & Data Analytics**: Tableau, Pandas, Numpy, Tidyverse, ggplot2, rstanarm
- **Interests**: Creating pixel arts, Reading fiction