algoritma
learn data science by building

BRI

BFLP – BANK BRI
DATA SCIENCE 2024

Who we are

Institutional Investors
Backed by prominent institutional investors.

karyadeka

MARQUEE EXECUTIVE OFFICES

GUNUNG SEWU GROUP

ALWAYS AHEAD TIGARAKSA SATRIA

Global Partners

R Studio Education

Singapore Partners

NGEE ANN POLYTECHNIC

ntuc LearningHub

Thailand Partner

RISE

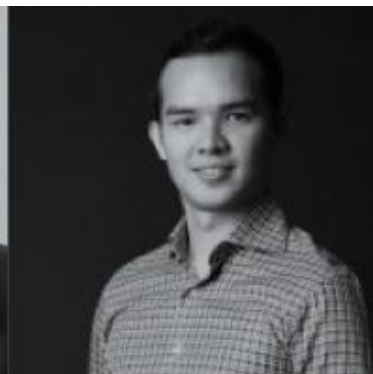## Indonesia Partners

Aktiv

Supertype

Co-founding Team, Angel Investors, & Advisors
Algoritma is on a quest to shape the future of education in South East Asia and we have assembled a top team of industry advisors and networks to help us build this vision.

Samuel Chan
Course Producer
Hypergrowth CEO
Data Scientist
Top 3% on Stack Overflow in the World

Nayoko Wicaksono
Managing Director
Artesian VC Venture Partner
Accelerator Director PNP
Seekmi Co-Founder

Mari E. Pangestu
Advisor & Angel Investor
Ex. Commissioner of Astra
Ex. Commissioner of BTPN
Ex. Minister of Trade Indonesia
Managing Director of World Bank

Edward Chia
International Business Director
Co-Founder of Timbre Group
Singapore MP

Greg Crichton
Advsiror & Angel Investor
Commissioner of Generali Insurance
Pres Comm of Avrist Assurance

Outcome driven education center

Global Partners
RStudio Education

Singapore Partners
NGEE ANN POLYTECHNIC · ntuc LearningHub

Thailand Partner
RISE

Indonesia Partners
Supertype

Singapore Office
138 Cecil St.

Jakarta Office:
Menara Kadin Indonesia
4th-5th Floor

| 100+ Community Partners | 2,500+ Academy Alumni Members | 9.1+ Average Classroom Ratings |
| 180+ Active Clients | 500+ Corporate Hiring Partners | 89% Employment Rate |

Access to high quality **training**

We are committed to deliver **highest quality of service** to our students and clients

Our instructors

WE ARE **THE FIRST SCHOOL CERTIFIED** IN R STUDIO **IN ASIA**

R Studio Certified

& **THE 20TH IN GLOBAL**

UNDERGOES RIGOROUS TRAINING PRIOR TO TEACHING

COMES FROM **INTERDICIPLINARY EDUCATIONAL BACKGROUND**

EXPERIENCED IN PROJECTS **FROM VARIOUS INDUSTRIES**

HIGHLY RATED BY OUR ALUMNIS & CORPORATE CLIENTS

"If You are planning for a year, sow rice; if you are planning for a decade, plant trees; if you are planning for a lifetime, educate people"

- Chinese Proverb

Samuel Chan

Co Founder & Course Producer

Co-Founder, Supertype

Co-Founder, Algoritma

CEO, HyperGrowth

CEO, GrowthBot.ai

Interim Head of Metrics, goGame

Top 3 % of R User worldwide on StackOverflow

Consultant and Trainer to 15+ companies

Bio:

Machine learning practitioner in the field of marketing automation, fraud detection, finance and e-commerce. Samuel is Indonesia's top-ranked Stack Overflow user in R, a certified professional (certificates from Microsoft, MongoDB, Stanford University, John Hopkins University), and an experienced consultant that has worked with companies from his time staying in China, Japan and Singapore. In 2017 and 2018 alone, Samuel has trained and consulted with more than 15 companies around Indonesia and a regular guest speaker / trainer in a number of universities.

RStudio Certified

python™

Hamam Wulan Ayu

Senior Data Science Instructor

Inhouse Training Project:

- **Bank BCA -** Teaching Team for Data Visualization and Machine Learning
- **Adira Finance:** In-House Corporate Training Course Production
- **Telkom (Telkomathon) :** Teaching Team for Deep Learning Specialization using Python
- **Bank Rakyat Indonesia -** Teaching Team for Python Intermediate Batch 1
- **Sinarmas Mining -** In-House Corporate Training Course Production
- **DBS Indonesia -** In-House Corporate Training Course Production
- **PT Freeport Indonesia -** In-House Corporate Training Course Production for Data Analytics Specialization and Machine Learning Specialization
- **Algoritma Data Science Academy**

Bio:

Wulan is a Computer Science graduate from Universitas Indonesia, and possesses a fervent commitment to advancing the field of Information Technology. Her primary areas of interest lie within the domain of data, encompassing expertise in data analysis, data engineering, and machine learning engineering. This educational background, combined with her passion, positions Wulan as a dedicated professional poised to make meaningful contributions in the dynamic landscape of Information Technology.

Kevin Wibowo

Senior Data Science Instructor

Inhouse Training Project:

- **Perusahaan Listrik Negara (PLN)** - Teaching Team for People Analytics using Python

- **Bank BCA -** Teaching Team for Data Visualization and Machine Learning

- **Adira Finance -** Teaching Team for Training Machine Learning in Python

- **Bank Rakyat Indonesia -** Teaching Team for Python Intermediate Batch 1

- **XL Axiata -** Producer of Data Science Specialization

- **Paxel -** Teaching Team for Data Analytics and Dashboard

- **PT Freeport Indonesia -** Teaching Team for Machine Learning Specialization

- **Kementrian BUMN -** Instructor of Data Analytics with Python

- **PT Toyota Astra Motor -** Lead Instructor for Introduction to Machine Learning

- **FWD Insurance -** Instructor for Data-Driven Executive

- **Algoritma Data Science Academy**

Bio:

Kevin graduated with a Bachelor's degree from ITB, majoring in Oceanography. Previously he was working as a marine engineer as a technical consultant and handled ocean data processing. With that experience, he has strong analytical skills. He is experienced in exploratory data analysis, visualizing data, and predictive machine learning techniques to solve business problems using Python.

Teaching Assistants

Victor Nugraha

Ramdhina Finita

Project Manager
Helida Malinda

DATA SCIENCE

Program Brief
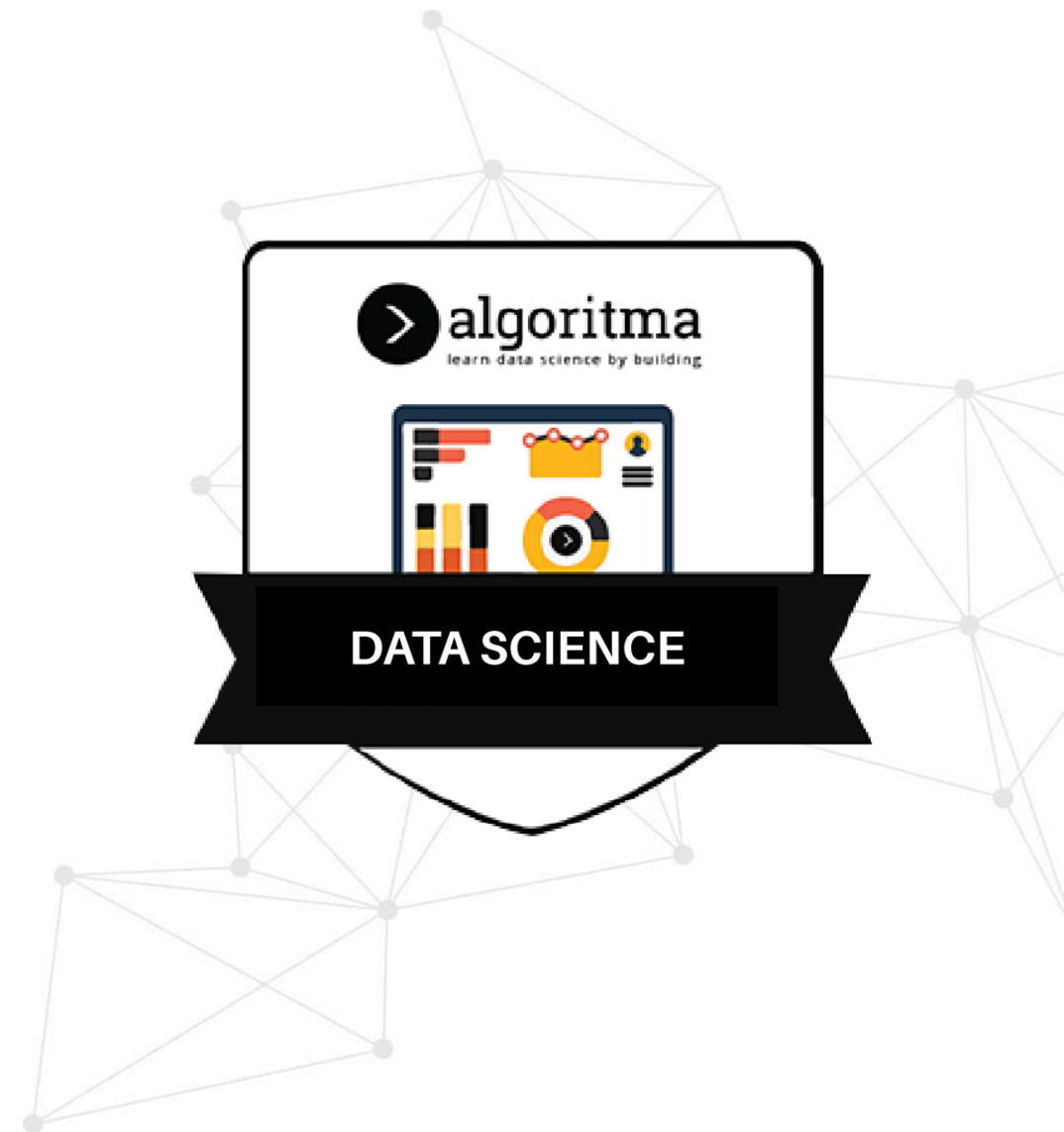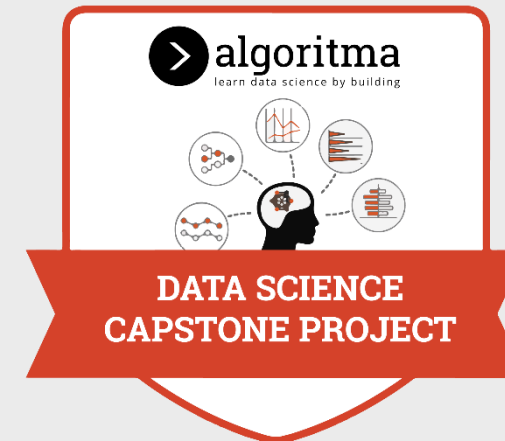
About the **program**

- The BFLP 2023 Data Science training program aims to guide participants to become proficient data scientists in organizations, especially in the Audit department, with a strong understanding of the Python programming language.

- With a learn-by-building approach, participants will learn how to develop machine learning algorithms, as well as how to integrate them into business applications. After completing the training, participants will be ready and able to take on responsibilities as a data scientist in a professional environment.

Our **modules**

- Pre Class

Introduction of the program and module installation guideline

PYTHON FOR
DATA ANALYSTS

DATA WRANGLING &
VISUALIZATION

PRACTICAL
STATISTICS

REGRESSION MODELS

CLASSIFICATION IN
MACHINE LEARNING
I

UNSUPERVISED
MACHINE LEARNING

algoritma
learn data science by building

DATA SCIENCE
CAPSTONE PROJECT

Copyright Algoritma

Data Science
Capstone project

- Participants will use datasets which related to Banking industry to implement their knowledge during training program

- Participants will be divided into individual or groups and Mentor will be assigned to help supervise the project development

- Mentor will help to give consultation during capstone project

- By the end of the program, participants should submit the capstone project report to Algoritma

Scoring Criteria

Participants are encouraged to obtain a minimum score of **77.5** points during the Data
Science program, which consists of several assessments :

- Pre Test
- Quiz and Class Assignment
- Capstone Project
- Post Test

Successful participants will obtain recognition for certificate and rubrics scoring.
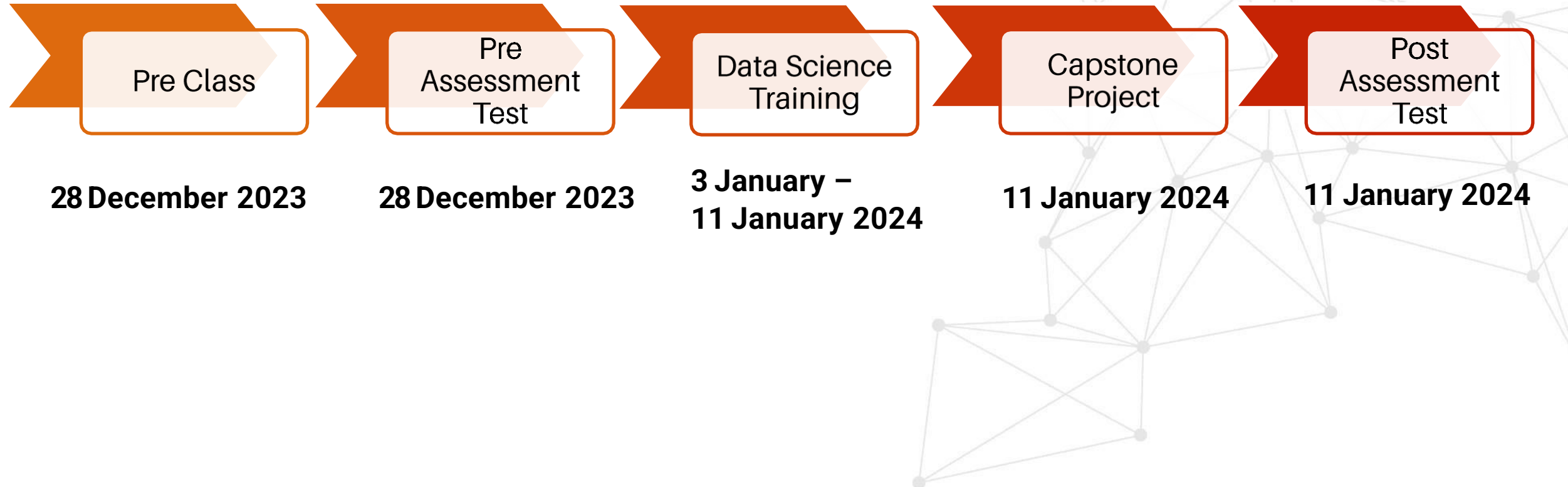
Timeline Data Science

No	Module	Data Science Course								Total Course Hours
		28 Dec	03-Jan	04-Jan	05-Jan	08-Jan	09-Jan	10-Jan	11-Jan	
		Thu	Wed	Thu	Fri	Mon	Tue	Wed	Thu	
0	Pre Class Training									-
1	Python for Data Analyst									7
2	Data Wrangling & Visualization									7
3	Practical Statistics									7
4	Regression Models									7
5	Classification in Machine Learning									7
6	Unsupervised Learning									7
7	Capstone Project									7
Total Training Hours										49

3 January – 11 January 2024

08:00 AM – 4:30 PM

QnA Session 07.30 AM

Venue :

Lembah Hijau Ciloto

Program **Rundown**

Python For Data Analyst					
Wednesday, 3 January 2024					
Start	**End**	**Duration**	**Course & Activities**	**PIC**	**Company**
7:30	8:00	30	Preparation & QnA		Algoritma
8:00	8:10	10	Introduction to Dataframes		Algoritma
8:10	8:30	20	Reading data		Algoritma
8:30	9:20	50	Python data types		Algoritma
9:20	9:35	15	Break		
9:35	10:35	60	Data frame structure		Algoritma
10:35	11:00	25	Using panda's built-in statistics summary		Algoritma
11:00	11:35	25	Indexing and subsetting in pandas		Algoritma
11:35	12:35	60	Break		
12:35	13:35	60	Slicing dataframes		Algoritma
13:35	14:35	60	Indexing using .loc and .iloc		Algoritma
14:35	15:20	45	Conditional subsetting		
15:20	15:35	15	Break		
15:35	16:00	25	Reference and Copying		Algoritma
16:00	16:30	30	Summary		Algoritma

GOOGLE CLASSROOM

TRAINING BENEFIT

Training **Certificate**
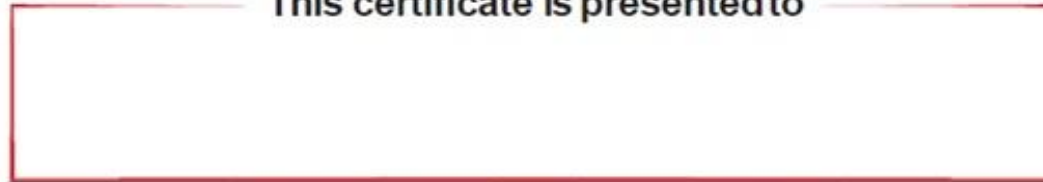
Rubics Scoring

Academy Enterprise

DATA VISUALIZATION SPECIALIZATION

MACHINE LEARNING SPECIALIZATION

NAME :
NAME HERE

Units	Assessment Type	Score
Programming for Data Science	Quiz	4 / 4
Practical Statistics	N/A	N/A
Data Visualization in R	Quiz	2 / 2
Interactive Plotting & Web Dashboard	Quiz	1 / 1
	Learning by Building	3 / 3
Data Visualization Capstone Project	Final Project	30 / 30
Regression Model	Quiz	4 / 4
Classification in Machine Learning I	Quiz	4 / 4
Classification in Machine Learning II	Quiz	4 / 4

Academy Enterprise

DATA VISUALIZATION SPECIALIZATION

MACHINE LEARNING SPECIALIZATION

Units	Assessment Type	Score
Unsupervised Machine Learning	Quiz	4/4
Time Series & Forecasting	Quiz	4/4
Neural Network & Deep Learning	Quiz	4/4
Machine Learning Capstone Project	Final Project	36/36
Total		**100/100**

Comment :
Comment here

Where to get help?

No	Mentoring Alternatives	Duration	Location	Time	Rules
1	Algoritma Online QnA	(by Email)	-	Business Hours	• Will be addressed within 9 business hours by Team Mentor • Send Mentoring Request Email Format
2	Online Mentoring Request	1 hour	**Zoom**	Between 10am-6pm	• Maximum request submission is D-1 before the proposed date

It should be done by filling out the link within business hours (Monday to Friday at 10 AM to 6 PM)

For Online mentoring request, Algoritma Team would reply emails with confirmation of the final mentoring schedule and mentor assigned.

Note:

Requests outside of working hours would be postponed until the upcoming working hours. For example: if there is Online mentoring requests submission for Monday on Friday to Sunday above 6 PM, emails sent will be replied and proceed on Monday and it would automatically make the schedule set for the day after, which is on Tuesday.

Corporate Code: BFLP

THANK YOU

algoritma

Mentor
mentor@algorit.ma

———

Helida Malinda
helida@algorit.ma

Singapore

Jakarta

Phone
+62-877-7835-3007

Linkedin
/teamalgoritma

Facebook
/teamalgoritma

Singapore HQ
Cecil Court, 138 Cecil Street, 069538 Singapore

Indonesia HQ
Menara Kadin, 4th Floor, Jl. H. R. Rasuna Said No.Kav. 2-3, Kuningan Tim., Kecamatan Setiabudi, Kota Jakarta Selatan, Daerah Khusus Ibukota Jakarta 12950