



# Data Innovator

From Data to Decisions: Mastering AI and Machine Learning in a Day

1 Day Training

## COURSE OVERVIEW

Master AI and machine learning in a day. Learn to build and optimize predictive models, explore data, and turn insights into decisions using Google Cloud's Vertex AI.

## COURSE OBJECTIVE

- Master predictive models and exploratory data analysis (EDA).
- Build and optimize machine learning models.
- Enhance performance with feature engineering and tuning.

## RECOMMENDED FOR

Ideal for data professionals, analysts, and AI enthusiasts seeking to enhance their skills in predictive modeling and machine learning.



## COURSE HIGHLIGHTS



Hands-on with Google Cloud's Vertex AI



Master predictive modeling techniques



Optimize models with feature engineering



Real-world application and case studies



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# Course Outline

1

## Introduction to Statistical Thinking

Gain a solid foundation in statistical principles to effectively analyze and interpret data, setting the stage for predictive modeling and informed decision-making.

2

## Introduction to Predictive Models

Explore predictive modeling, including supervised and unsupervised learning, regression, and real-world applications, to forecast trends and drive strategic decisions.

3

## Exploratory Data Analysis (EDA)

Learn the importance of EDA in data preparation, with techniques for visualization, summary statistics, and data preprocessing to ensure data readiness.

4

## Model Building and Evaluation

Build predictive models using basic machine learning algorithms, and learn to evaluate them with metrics like accuracy and precision, ensuring they generalize well.

5

## Improving Model Performance

Enhance model accuracy through feature engineering and hyperparameter tuning, while addressing common challenges like overfitting and underfitting.

6

## Hands-On Workshop: Building and Evaluating a Model with Vertex AI

Apply your skills in a practical workshop using Google Cloud's Vertex AI to build and evaluate a machine learning model from data preparation to evaluation.

For course customization and further discussion, feel free to reach out to us at [marketing@matrixc.com](mailto:marketing@matrixc.com)

# Trainers Profile

## Mazlita Mat Hassan Director / Lead Trainer, MatrixC Academy



Mazlita Mat Hassan, known as "MEM," is an accomplished IT corporate trainer and data science expert with a BSc in Computer Science from University College London. With over a decade of experience, she has trained more than 10,000 professionals across Southeast Asia, specializing in Microsoft Office, Google Apps, and Tableau.

As the CEO of RECQA, she drives DeLIMA 2.0, Malaysia's National Digital Learning Platform, and leads MatrixC Academy's Change Management training with Google Tools. Globally recognized, she is the SEA & Pacific Leader for UNCTAD's "e-trade for women" initiative and received the 2023 Women in STEM award from Business and Professional Woman Malaysia for her contribution in co-developing DeLIMA 2.0 with MOE and Google Malaysia.

## Ikmal Nordin Data & AI Lead, Matrix Connexion



A distinguished data analytics trainer, data scientist, and AI specialist with deep expertise in data science, AI, and economic analysis. Renowned for architecting cutting-edge data solutions, he translates complex concepts into practical, high-impact training for both corporate teams and individuals.

Ikmal has successfully trained and consulted for leading companies like Proton, Star Media Group, and BE International, empowering professionals across industries to harness the power of big data and AI for significant productivity gains and career advancement.

