Enrico Laoh

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Key Competencies

Data-driven Decision-making	Explainable Artificial Intelligence	Spatial Analysis
Business Analytics	Blockchain Technology	Text Mining
Visualization and Storytelling	Optimization	Customer Segmentation
Machine Learning	Time Series Analysis	Lifetime Value Analysis

Experience

HIGH-STAKE DECISION SUPPORT SYSTEM
Explainable AI in Healthcare for Enabling Human-AI Collaborative Decision-making.
- Developing machine learning models incorporating trust issues for risk-sensitive decision-making.
- Implementing an explainable artificial intelligence (XAI) approach to make the model understandable.
- Designing a visualization dashboard for the prediction to make it interpretable.
- Building a novel framework for human-AI collaborative learning.
- Funded by NIH under a $ 1.2M research grant for advanced data science in health research.

ADVANCED TECHNOLOGY FOR SUPPLY CHAIN DESIGN
Blockchain Technology Adaptation for Transparency in Supply Chain Network
- Enhancing trust and transparency by ensuring confidential, immutable, and secure transactions.
- Improving transaction efficiency by enabling fast transaction speeds and effective data transfer.
- Reducing the risk of non-compliance process by providing a reliable validation mechanism.

APPLIED MACHINE LEARNING TECHNOLOGY FOR ADVANCING BUSINESS STRATEGY
Elaborating Cluster Analysis and Time Series Analysis for Customer Segmentation
- Classifying customers for developing return policy strategies.
- Defining time-dependent customer attributes and their dynamics for better policy development.
- Funded by research grants from the Indonesian Ministry of Research.

Education

- **Doctor of Philosophy**, *Industrial Engineering and Management*, Oklahoma State University, Expected 05/2025
- **Master of Science**, *Industrial Engineering and Management*, Oklahoma State University, GPA 4.00/4.00
- **Graduate Certificate**, *Business Analytics and Data Science*, Oklahoma State University, GPA 4.00/4.00

Leadership

- **Vice President**, *GP Student Government Association*, Oklahoma State University
- **President**, *INFORMS OSU Chapter*, Operation Research and Management Science Society