



IEEE AP-S/MTT-S Egypt Section Chapter

Workshop Title: *Understanding Machine Learning*

Workshop Presenter: *Eng. Ahmed A. Gomaa, Faculty of Computers and Artificial Intelligence, ALRyada University for Science and Technology*

Location: *AL Ryada University, Sadat, Egypt*

Date: *1 July 2024 - 26 August 2024*

Agenda

- Introduction
- Grasp core machine learning concepts.
- Understand the machine learning workflow.
- Code basic machine learning models.
- Interpret and evaluate model performance.
- Identify and address common machine learning challenges.
- Recognize the limitations of machine learning.
- Conclusions
- Discussion and applications.



Free Workshop Series



The IEEE Egypt AP-S/MTT-S Joint Chapter, Egypt, organizes free workshop series with the collaboration of the AL Ryada University for Science and Technology, RST.

Understanding Machine Learning

Location	Date	Time
RST Univ., Sadat, Egypt	From: 1 July 2024 To: 26 August 2024	1 Day/ Week (Mon.) 10 AM - 2 PM

Your outcomes and benefits are the following, but not limited to only that.



Eng. Ahmed A. Gomaa
Faculty of Computers and
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Technology

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We sincerely invite you to attend this amazing, certified workshop to enhance your career and profession.

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Types of Machine Learning



Supervised Learning
In supervised learning, a machine is trained using labeled data. Models are used to be trained when data contains both input and output information. The model learns from the data.

Unsupervised Learning
Data machine learning algorithms for clusters and pattern recognition. Models. These algorithms discover hidden patterns in data groups without the need for labels.

Reinforcement Learning
A type of machine learning where the model learns to perform an action to receive a reward. The model learns from its own actions and the environment.













Thank You