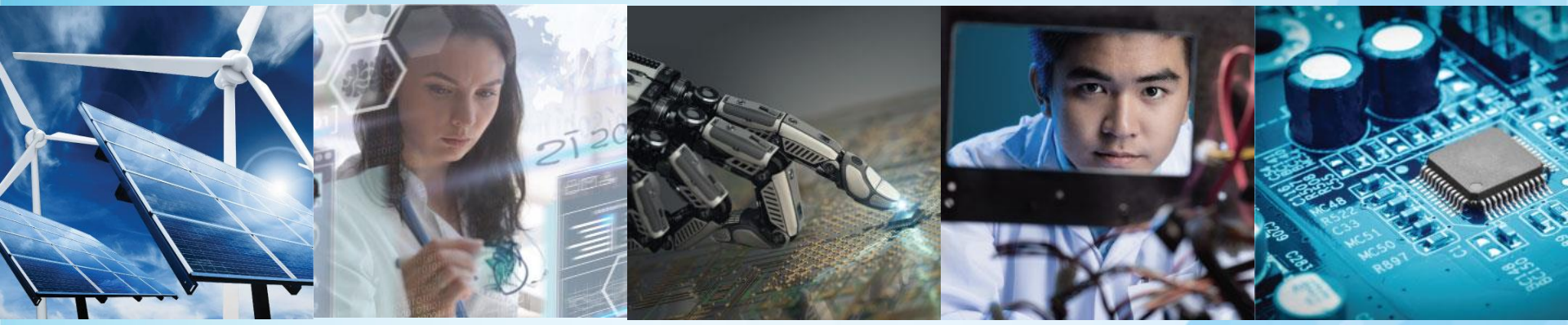

IEEE AP-S/MTT-S Egypt Section Chapter

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***

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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.**

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Types of Machine Learning
Supervised Learning
Unsupervised Learning
Reinforcement Learning

Types of Machine Learning

Types of Machine Learning

Partial Derivative
Example

Partial Derivative

s of Machine Learning

Types of Machine Learning

Partial Derivative
Example
Line parallel with X axis

jupyter
polynomial regressionnn-Copy1
pwd
dataset = pd.read_csv(r'C:\Users\Alienware
X = dataset.iloc[:, 1:2].values
y = dataset.iloc[:, 2].values
dataset
Position
Level
Salary
0 Business Analyst
1 Junior Consultant
2 Senior Consultant

jupyter polynomial regressionnn Copy1
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Thank You

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