Machine Learning With Orange and Python

TAR UMT
TUNKU ABDUL RAHMAN UNIVERSITY OF
MANAGEMENT AND TECHNOLOGY

About us
Who we are

The Centre for Continuing and Professional Education (CPE) was established in 1999 to provide continuing professional education and lifelong learning opportunities for University's staff, students, alumni and the public. As part of TAR UMT's commitment to continuing education and lifelong learning, CPE is entrusted with designing, developing and delivering various activities, workshops and programmes to meet the diverse learning needs of multiple parties.

About This Training

Machine Learning involves using algorithms to build a good and useful approximation to data and then decide or predict. However, machine learning can be very complex and most people need to be trained to program or have the time to do so. In this course, participants will be introduced to some basic programming concepts in Python and will have hands-on training exploring various machine learning algorithms with Orange. Participants are also encouraged to bring their data. The course is open to participants from any background.

Date and Time
22 - 23 May 2023
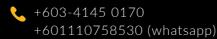Monday to Tuesday
9 AM to 5 PM

Training Venue
TAR UMT
Jalan Genting Kelang, Setapak
53300 Kuala Lumpur

Trainer
Dr. Zahari Taha

COURSE CONTENTS

DEFINITION OF MACHINE LEARNING

WHEN DO WE USE MACHINE LEARNING

EXAMPLES OF MACHINE LEARNING

TYPES OF LEARNING

MACHINE LEARNING ALGORITHMS

DESIGNING A LEARNING SYSTEM

PERFORMANCE EVALUATION

MACHINE LEARNING IN PRACTICE

WHY USE ORANGE

ORANGE INSTALLATION

DATA VISUALIZATION

CLASSIFICATION

REGRESSION

CLUSTERING

DIMENSIONALITY REDUCTION

IMAGE TRAINING AND PREDICTION

PYTHON SCRIPTS

PYTHON PROGRAMMING

LANGUAGE FEATURES

VARIABLES AND DATA STRUCTURE

DATA VISUALIZATION

PYTHON GUI

PYTHON MODULES

PANDASDATAFRAME

PYTHON FUNCTIONS

SKLEARN-LINEAR REGRESSION

SKLEARN-IMAGE CLASSIFICATION

ORANGE IMPORT TO PYTHON

PYTHON SCRIPTS

PYTHON SEND DATA TO CLOUD

PYTHON CONTROLLING ARDUINO
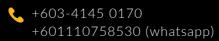
Introduce our Trainer

Dr. Zahari Taha

Dr Zahari Taha is a Chartered Engineer (UK), a Member Institution of Engineering Designers (UK), a Fellow of Academy Sciences Malaysia and a Fellow and Board Member of Asia Pacific Industrial Engineering and Management Society. He was formerly a Professor at the Faculty of Engineering, Universiti Malaya and Faculty of Manufacturing Engineering, Universiti Malaysia Pahang. He has more than 30 years of experience in education, research and development in machine learning, automation and robotics, and simulation and modelling. Dr Zahari has published over 300 papers and graduated over 70 PhDs and Masters students. He has developed numerous software and hardware solutions for industry and universities.

Click/Scan for enquiry

Contact Us

Centre for Continuing and Professional Education

+603-4145 0170
+601110758530 (whatsapp)

training@tarc.edu.my
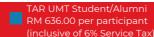https://www.tarc.edu.my/cpe/

Machine Learning with Orange and Python

Venue: TAR UMT, Jalan Genting Kelang, Setapak, 53300 Kuala Lumpur
Date: 22 - 23 May 2023 (9.00 am - 5.00 pm)

REGISTRATION FORM

Fees:
☑ **Public**
RM 795.00 per participant
(inclusive of 6% Service Tax)

☑ **TAR UMT Student/Alumni**
RM 636.00 per participant
(inclusive of 6% Service Tax)

The Manager
TARC Education Foundation (1033820M)
Tunku Abdul Rahman University of Management and Technology (TAR UMT)
TEL: 03-4145 0170

Email: training@tarc.edu.my

Dear Madam / Sir,
Please register the following participant(s) for the above programme: (To be completed in BLOCK LETTERS)

①

Name :

Email:

IC No. :

Mobile No. :

Nationality :

Designation :

②

Name :

Email:

IC No. :

Mobile No. :

Nationality :

Designation :

(If space is insufficient, please attach a separate list)

Disclaimer

Registration is on a first-come-first-served basis. All cancellations must be made in writing. Cancellation made 14 days or more in advance of the worskshop date will receive full refund. Cancellations made thereafter will be subjected to a cancellation fee of 50% of the workshop fee. All fees are payable in the event of non-attendance of any registered participant(s) or the overall attendance falls below 75% of total workshop hours. Replacement(s) can be accepted at no additional cost if notified 24 hours prior to the commencement of the workshop. The Tunku Abdul Rahman University of Management and Technology reserves the right to change the speaker, reschedule or cancel the workshop and all efforts will be taken to inform participants of the changes.

We hereby confirmed that (please tick accordingly):

☐ We will be claiming under **HRD Corp Claimable Course** and full payment would be made to Tunku Abdul Rahman University of Management and Technology in the event that no disbursement from **HRD Corp** under any circumstances.

☐ We will **NOT BE CLAIMING** from **HRD Corp.** Payment will be made to account payee TAR UMT by cheque or bank transfer to Public Bank Account No. **3 1 8 1 5 6 4 1 1 3.** Kindly submit your payment remittance to training@tarc.edu.my together with this registration form.

Submitted by

Name :

Designation :

Department:

Email :

Telephone No. :

Mobile No. :

Company Name:

Company Registration No. :

Company Address :

Company Stamp & Signature :

Date :