

“Essential Skills for Data Analysis and Machine Learning” Course 3

From 17 January to 15 February 2023

“Fundamentals of Machine Learning”

Assessment Test for applicants for Course 3

Online Live Lecture (1)			
Date & Time	Tue 17 January 08:30 am-10:00 am (UTC/GMT)		
Theme	Overview of Machine Learning		
Online Live Lecture (2)			
Date & Time	Tue 7 February 08:30 am-10:00 am (UTC/GMT)		
Theme	Key Points for Handling Data by Machine Learning		
e-Learning			
e-Learning	Learn about machine learning programming flows and typical program code for data analysis.		
Learning duration	permitted to access to E-learning program until 20 February		
Standard Learning Time	66 hours <small>*Approximately Average study time: 2 hours per day.</small>		
Participation Requirement			
Language	English	Number	30 ppl
Target Participants	African businesspersons those who - belong to a company located in an African country and need data analysis skills and/or want to work as a machine learning (AI) engineer in near future, and - already have a basic knowledge of Python and data analysis (as learned in Course 1 & 2). *Assessment test (For more detail, please read the right section.) required for those who wish to take the course. (*Exempted for those who have taken Course 1 & 2).		
Fee	90 USD		
Payment Method	Paypal remittance or Bank remittance.		

Purpose of Assessment test	To confirm whether an applicant has basic knowledge of Python and data analysis equivalent to or better than those who have taken both Course 1 & 2. *Exemption from the test for applicants who keep taking courses from Course 1 & 2.	
How to conduct assessment tests for Course 3. applicants		
Examination Questions: (8 hours per Q)	1. Assignment of Iris Data Analysis	2. Assignment of Binary Classification of Iris
Test Implementation Environment:	Google Colab, e-learning platform “DIVER” * Applicants be granted temporary password to Log-in DIVER	
Date & Time of the Assessment Test Guidance:	21st Dec 2022 17:00 PM - 18:30 PM (UTC/GMT)	
Site of the Assessment Test Guidance:	Google Meetings * Access information will be provided to applicants	
Content	1. How to Log-in DIVER and Access the Assignments 2. How to Submit Assignment 3. How to Use "Google Colab"	
*Deadline for submission of assignments (exam answers):	4th Jan 2023 17:00 PM(UTC/GMT)	
Notification of the Test Results:	10th Jan 2023	

*Each course consists of a combination of **2 live online lectures & 30 days of e-learning.**

*Not open to those who belong to companies with more than 50% investment from developed countries other than Japan (including China and South Korea).

E-learning recommended environment (PC specifications)	
Mac *Recommended	<ul style="list-style-type: none"> • Intel Core i5 or higher • Intel Core i5 or higher • Memory 4GB or higher • SSD 128GB or higher • Air or PRO is acceptable.
Windows	<ul style="list-style-type: none"> • Intel Core i5 or higher • Memory 4GB or higher • SSD 128GB or higher

*Please prepare your own Internet access environment and pay for the data communication fees.

***APPLICATION for Course 3 & 4**

<https://survey.zohopublic.com/zs/xVCNWt>

Deadline

18 Dec 2022 17:00PM (UTC/GMT)

“Essential Skills for Data Analysis and Machine Learning”

Course 4 From 22 February to 23 March 2023 “Key Algorithms in Machine Learning”

Online Live Lecture (1)			
Date & Time (Tentative)	Wed 22 February 08:30 am-10:00 am (UTC/GMT)		
Theme (Tentative)	Social Value and Usage of Satellite Data		
Online Live Lecture (2)			
Date & Time (Tentative)	Thu 9 March 08:30 am-10:00 am (UTC/GMT)		
Theme (Tentative)	Satellite Data Analysis for Problem Solving and Business Applications		
e-Learning			
e-Learning:	Learn about programming for data processing by using key algorithms in machine learning.		
Learning duration:	permitted to access to E-learning program until 31 March		
Standard Learning Time:	84 hours	*Approximately Average study time: 2 hours per day.	
Participation Requirement			
Language	English	Number	20 ppl
Target Participants	Already have a basic knowledge of Python and data analysis and ONLY finished learning in Course 3. MUST be over 20 years old and those who belong to a company located in an African country and need data analysis skills and/or want to work as a machine learning (AI) engineer in near future.		
Fee	90 USD		
Payment method	Paypal remittance or Bank remittance.		

*Each course consists of a combination of **2 live online lectures & 30 days of e-learning.**

*Not open to those who belong to companies with more than 50% investment from developed countries other than Japan (including China and South Korea).

*From April mid 2023~

Let's obtain **SPECIAL AOTS e-Certificate!**

*Those who learned in Course 3 & 4 can participate continuously the below courses!



**Course 5:
Structure of Deep Learning**

**Course 6:
Framework for Deep Learning**

**Course 7:
Image Recognition by Deep Learning**

**Course 8:
Natural Language Processing with Deep Learning**



The e-learning parts of these programs are delivered by DIVE INTO CODE Corp., which has been certified as one of the Courses on IT-Skill Training to Meet the Era of the Fourth Industrial Revolution by the Japanese Ministry of Economy, Trade and Industry (METI).



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METI

Ministry of Economy, Trade and Industry