



Series of practical online training courses with **live online lectures & e-learning** for Africa on

“Essential Skills for Data Analysis and Machine Learning”



Course 1: Beginning Data Analysis with Python

Wed 2 November – Thu 1 December 2022

Online Live Lecture (1):

Date and Time:

Wed 2 November, 08:30 am-10:00 am (UTC/GMT)

Theme:

Fundamentals for proper data analysis

Online Live Lecture (2):

Date and Time:

Tue 22 November, 08:30 am-10:00 am (UTC/GMT)

Theme:

Concept of inferential statistics

* E-learning Part will provide with the basics of Python and hands-on assignments for data analysis using Python.

Course 2: Exploratory Data Analysis

Tue 6 December 2022 – Wed 4 January 2023

Online Live Lecture (1):

Date and Time:

Tue 6 December, 08:30 am-10:00 am (UTC/GMT)

Theme:

Analytical methods for inferential statistics

Online Live Lecture (2):

Date and Time:

Tue 20 December, 08:30 am-10:00 am (UTC/GMT)

Theme:

Avoid misinterpretation and more flexible data analysis

*E-learning Part will provide with practical assignments to perform exploratory data analysis using Python.

Able to gain the basic skills in data science and data engineering needed to derive data-driven solutions to Africa's most pressing problems, as well as to be a Data Analyst!

Course 1 & 2



Fee	
Language	English
Participation Limit	40 ppl each
*Target	
•20 years of age or older	
•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.	
•Those who are able to prepare a PC (see 2 page for required specifications) and internet connection environment necessary for e-learning. (*Participants are responsible for their own expenses.)	

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

***The maximum number of participants is 40, with priority given to those who wish to take consecutive courses after Course 3.**

APPLICATION
Deadline: 18 Oct 2022
23:00(UTC/GMT)

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





Keep learning !
Find way to becoming
an AI engineer
to solve diverse problems!

Course 3: Fundamentals of Machine Learning

*Tentative schedule:

Wed 18 January 2023 –
Thu 16 February 2023

Course 4: Key Algorithms in Machine Learning

*Tentative schedule:

Tue 21 February 2023
- Wed 22 March 2023

***April mid 2023~**

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



Course 3 & 4

Fee	90 USD each
Language	English
Participation Limit	30 ppl each

Course 5,6,7 & 8

Fee	90 USD each
Language	English
Participation Limit	20 ppl each

For each course, an AOTS e-Certificate will be issued to those who have completed all live lectures and e-learning courses.

AOTS will also issue another **SPECIAL AOTS e-Certificate** to those who have completed the entire course.

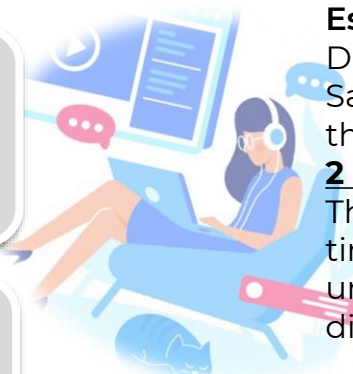


Uninterrupted E-learning for the duration of your term!

Estimated e-learning study time*

During the course duration (including Saturdays and Sundays), the average study time is approximately **2 hours per day**.

This is a standard estimate. Actual study time may vary depending on the level of understanding and other individual differences.



E-learning environment (PC specifications)

Mac	<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

*The above is the recommended environment.

*Mac OS is recommended.

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



AOTS Website <https://www.aots.jp/en/>