ISI WSC 2019 Short Course Programme

COURSE TITLE :	**SC9 - Analyzing text for content and sentiment**
DURATION :	2 Days
DATE :	16 – 17 August 2019
VENUE :	Sasana Kijang
REGISTRATION FEES :	Developed Country MYR 1,760 (Approximately EUR 370) Developing Country / Student* MYR1,140 (Approximately EUR 240) ** For student, proof of enrolment is required*

INSTRUCTOR 1

Peter Ho Chiung Ching, Ph.D.
Dean, Faculty of Computing and Informatics, Multimedia University
Multimedia University
Malaysia

Peter Ho, PhD is the Dean of the Faculty of Computing and Informatics, Multimedia University. He graduated with a Bachelor of Computer Science (Hons) and a Master of Science (Computer Science) from Universiti Putra Malaysia, and was awarded a PhD (Information Technology) from Multimedia University.
His research interests includes multimodal biometrics, human activity/action recognition, data mining and analytics. He has won the inaugural Malaysian National-level Big Data competition (Big App Challenge v 1.0) and a Mobile Data Visualization Hackathon. Past consultancy clients include Telekom Malaysia, Ministry of Health Malaysia and the Natural Resources Environment Ministry of Malaysia.

INSTRUCTOR 2

Choo-Yee Ting
Associate Dean, Institute of Postgraduate Studies, Multimedia University
Multimedia University

Choo-Yee Ting is an Associate Professor at the Faculty of Computing and Informatics, Multimedia University, Cyberjaya, Malaysia and is also the Deputy Dean of the Institute for Postgraduate Studies, Multimedia University. In 2002, Choo-Yee Ting was awarded a Research Fellowship by Microsoft Research Asia, Beijing, China. In 2003, he received another research fellowship from the Rotary Research Foundation, Rotary Club of Kuala Lumpur Diraja Malaysia. He has been active in research projects related to predictive analytics and Big Data. Most of the projects were funded by MDeC(Malaysia), MOE (Malaysia), MOSTI(Malaysia), Telekom Malaysia, TM R&D, and industries

COURSE DESCRIPTION

This course is targeted primarily for data analyts and statistician who believe that “words have power – and that text mining unleashes that power!” This course is a very applied course – participants will learn how to use Python to solve various text mining problems using an effective data science work-flow. As an added value, resources for processing of non-English text is also shared, as are approaches to be used when dealing with mixed languages. Instructors will draw on their experience dealing with text from different domains, particular in sentiment analysis and text classification of text originating from the telecommunication domain.

SYLLABUS

Topics	**Mode of Delivery** (eg : Lecture, Tutorial, Lab etc.) Indicate allocation of hours	
	Mode	Hours
DAY 1		
Introduction to text mining	Discussion/Lab/Case Study	2
Working with Text Data in scikit-learn	Discussion/Lab/Case Study	2
Parsing Text Data Using Regular Expressions	Discussion/Lab/Case Study	3
DAY 2		
Workflow for a Text-Based Data Science Problem	Discussion/Lab/Case Study	2
Advanced Machine Learning Techniques	Discussion/Lab/Case Study	3
Resources for non-English text mining	Discussion/Lab/Case Study	2

TARGET AUDIENCE

Data analysts and statisticians who are looking to get out of their comfort zone of using tools such as Excel, SPSS or SAS and are looking to take the plunge into using Python as a new analytical tool
OR
Data analysts and statisticians who are looking for ways to communicate their Python code in a reproducible way and who are looking for a way to deploy their analytical solutions