

Centre for Ageing and Healthcare Management Research Methodology Workshop

Date : 25 May 2020 (Monday)
Time : 2:30 pm to 4:30 pm
Venue : Microsoft Teams
Language : English
Topic : Python and Supervised Machine
Learning in Healthcare Research



Online Registration

All staff are
welcome!

Abstract:

Python is an important programming language for carrying out data analytics such as machine learning. However, much of the power of Python comes from the vast set of software tools, as known as libraries, built on it. Pandas is a fast, powerful, flexible, and easy to use open source data analysis and manipulation tool, built on top of the Python. This workshop will introduce some fundamental concepts in machine learning such as supervised and unsupervised learning on health-related data. Then there will be discussions on how to handle missing cells and scale data columns to prepare them for machine learning. Finally, there will be a demonstration on the use of Pandas to make predictions. Some programming knowledge is preferred, but not necessary.

Speaker: Dr. WONG Ka-lok (Adam)
Programme Director and Senior Lecturer,
and Founding Member, CAHMR
School of Professional Education and Executive Development
The Hong Kong Polytechnic University



Dr. Adam Wong is a Senior Lecturer of the Division of Science, Engineering and Health Studies and a Programme Director. Adam has over 20 years of experience in the Information Technology industry. Before joining this institution in 2002, he had worked for international companies such as Acer, Philips, Hewlett-Packard, and PCCW. His professional experience includes system development, database support, electronic-commerce, and project management. He has over 10 years of teaching in various areas covering strategy, human resources management, research workshops, computer programming, computer security and e-commerce; from undergraduate to master programmes; from local to overseas universities. His research publications include blending learning, information technology in healthcare and education.

Moderator: Prof. Warren CHIU
Professor and Associate Dean (Quality Assurance),
and Founding member and Advisor, CAHMR
School of Professional Education and Executive Development
The Hong Kong Polytechnic University



Kindly make the reservation at <https://bit.ly/2Y0ZE1S> on or before **22 May 2020 (Friday)**