COURSE DETAIL

THE AGE OF BIG DATA
Country Hong Kong
Host Institution University of Hong Kong
Program(s) University of Hong Kong
UCEAP Course Level Lower Division
UCEAP Subject Area(s) Computer Science
UCEAP Course Number 47
UCEAP Course Suffix
UCEAP Official Title THE AGE OF BIG DATA
UCEAP Transcript Title THE AGE OF BIG DATA
UCEAP Quarter Units 5.00
UCEAP Semester Units 3.30

Course Description

We are entering the “Age of Big Data” – an extremely large amount of information is created every day, which is revolutionizing science and technology, governments, economy, and international development. A variety of sources contribute to the Big Data, including the Internet, Wikipedia, social networks (e.g. Facebook), micro blogs, mobile phones, and cameras. This era of “information burst” has brought convenience to our daily lives. More recently, the emergence of foundation models (e.g., GPT) is also an outcome of big data, massive high-quality is the fuel to the success training of these large machine learning models. However, the availability of such a vast amount of information has also created many problems. For example, reported incidents of leakage of private data, due to the use of the Foxy software, and the loss of USB drives that contain thousands of patients’ records, have raised serious legal and social concerns. The goal of this course is to engage students in examining the critical issues that they could encounter in the Age of Big Data. They will examine how Big Data is affecting our society and daily lives and how Big Data is used in our daily life. They will study the security and credibility issues of Big Data. They will also address the issues of organizing and exploring Big Data. Solutions proposed in legal, technological, and education domains will be explored and discussed.

Language(s) of Instruction
English

Host Institution Course Number
CCST9047

Host Institution Course Title
THE AGE OF BIG DATA

Host Institution Course Details
https://commoncore.hku.hk/ccst9047/

Host Institution Campus

Host Institution Faculty
Host Institution Degree
Host Institution Department
Course Last Reviewed 2023-2024

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