# COURSE DETAIL

## BIG DATA SOLUTIONS TO SOCIAL PROBLEMS: THE GOOD, THE BAD AND THE UGLY

**Country**
Hong Kong

**Host Institution**
University of Hong Kong

**Program(s)**
University of Hong Kong

**UCEAP Course Level**
Lower Division

**UCEAP Subject Area(s)**
Sociology Computer Science

**UCEAP Course Number**
66

**UCEAP Course Suffix**

**UCEAP Official Title**
BIG DATA SOLUTIONS TO SOCIAL PROBLEMS: THE GOOD, THE BAD AND THE UGLY

**UCEAP Transcript Title**
DATA SOLN: SOC PRBL

**UCEAP Quarter Units**
5.00

**UCEAP Semester Units**
3.30

**Course Description**

Do Google and Facebook understand us better than we do ourselves? Are we becoming lab rats every time we go online? Is the impartially designed algorithm for predicting the probability of recidivism truly fair for sentencing individuals? When big data analytics are routinely applied in our daily lives, the ability to audit the adopted algorithms becomes crucial. This course aims to build students' big data literacy through three major areas of focus: (1) Defining what big data is; (2) Providing an overview of existing big data analytical techniques; and (3) Discussing opportunities and challenges of big data analytics in tackling social problems.

**Language(s) of Instruction**
English

**Host Institution Course Number**
CCST9066

**Host Institution Course Title**
BIG DATA SOLUTIONS TO SOCIAL PROBLEMS: THE GOOD, THE BAD AND THE UGLY

**Host Institution Campus**

**Host Institution Faculty**

**Host Institution Degree**

**Host Institution Department**

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