COURSE DETAIL

VISUALIZATION AND EXPLORATORY ANALYSIS
Country United Kingdom - England
Host Institution University of London, Royal Holloway
Program(s) University of London, Royal Holloway
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Computer Science
UCEAP Course Number 120
UCEAP Course Suffix
UCEAP Official Title VISUALIZATION AND EXPLORATORY ANALYSIS
UCEAP Transcript Title VISUALIZATN&ANALYS
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description
The course examines the principles and arts of statistical visualization and exploratory analysis of data. Course content includes construction of informative bi-variate plots, alongside visualization of multivariate data. It explores dimensional reduction, non-linear methods (t-SME, isomap, Proxigrams), and exploratory cluster analysis. Students examine standard methods for visualization of relational and graph data (Gephi), the importance of guarding against “snooping” and basic principles of color scale design and glyph choice.

Language(s) of Instruction
English

Host Institution Course Number
CS3250

Host Institution Course Title
VISUALISATION AND EXPLORATORY ANALYSIS

Host Institution Course Details
https://www.royalholloway.ac.uk/computerscience/informationforcurrentstudents/u...

Host Institution Campus
Royal Holloway, University of London

Host Institution Faculty

Host Institution Degree

Host Institution Department
Computer Science

Course Last Reviewed
2018-2019

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