

# 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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