COURSE DETAIL

PROGRAMMING FOR SOCIAL AND CULTURAL DATA ANALYSIS
Country Japan
Host Institution Waseda University
Program(s) Waseda University
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Linguistics Computer Science
UCEAP Course Number 116
UCEAP Course Suffix
UCEAP Official Title PROGRAMMING FOR SOCIAL AND CULTURAL DATA ANALYSIS
UCEAP Transcript Title PROGRAM SOC ANALYS
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description
Analyzing social and cultural issues with computational text analysis has become a common research method in the age of ‘big (social) data'. Political scientists measure the quality of public debates in social networks or explore policy areas by analyzing the usage of vocabulary. Historians in the tradition of Foucault use software to examine the semantic changes in serial sources in order to identify historical watersheds, and literary scholars analyze the distribution of motifs in large numbers of texts in different literary epochs. In order to take advantage of the possibilities of the big data, programming skills are essential. Thus software development is becoming more and more an element of linguistics and digital humanities scholarship. This course introduces and discusses fundamental concepts and techniques related to programming in the field of linguistics and digital humanities. The course provides knowledge and practical experience to use programming (in Perl) as a powerful means of analyzing textual data in linguistics, the humanities and the arts. Assessment: homework, project.

Language(s) of Instruction
English

Host Institution Course Number
LNGI201L

Host Institution Course Title
PROGRAMMING FOR SOCIAL AND CULTURAL DATA ANALYSIS

Host Institution Course Details

Host Institution Campus
Waseda University

Host Institution Faculty

Host Institution Degree

Host Institution Department
SILS - Linguistics

Course Last Reviewed

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