國立清華大學課程大綱

科號		組別		學分	3	人數限制	
上課時間				教室			
科目中文名稱	句法/語意實驗方法與統計			週數	16		
科目英文名稱	Experimental Methods and Statistics in Syntax/Semantics						
任課教師	蘇宜青						
擋修科目				擋修分數			

一、課程說明	Linguistics is the scientific study of language. However, unlike psychology or other fields in science, the importance of experimental methodology about how to elicit reliable judgment on grammaticality and interpretations are usually overlooked. The consequence is that it is not uncommon for linguistics students or even researchers to find inconsistencies among native speakers' judgment when reading research articles or even textbooks. Starting around two decades ago, a growing number of research has argued that native-speaker syntactic judgments are best tested with standard psycholinguistic protocols, and syntacticians / semanticists have become more and more aware of the value of proper experimental designs and quantitative analyses. This class will cover some basics for such quantitative methods commonly used in linguistic judgment experiments, focusing on the acceptability judgment task (for sentence forms) and the truth value judgment task (for sentence interpretations), and learn how to use free programs like Linger and PsychoPy to conduct a simple on-line experiment with not only judgment but also reaction time data. In addition, we will also read some articles covering different topics to learn how to do analyses on linguistic structures based on findings from various types of judgment experiments.
二、指定用書	None
三、參考書籍	Cowart, Wayne. (1997) *Experimental Syntax: Applying Objective Methods to Sentence Judgments*. Sage Publications. Spouse, Jon, & Hornstein, Norbert. (2013) *Experimental Syntax and Island Effects*. Cambridge University Press. Crain, Stephen, & Thornton, Rosalind. (1998) *Investigations in Universal Grammar: A Guide to Experiments on the Acquisition of Syntax and Semantics*. MIT Press. Myers, James. (ms) Yet Another Statistics-for-Linguists Book. Gries, S. T. (2013). *Statistics for linguistics with R: A practical introduction* (2nd edition). Berlin: De Gruyter.

四、教學方式	Instructor's lectures and students' in-class presentation
五、教學進度	Week 1　Introduction Week 2-3 Experimental syntax: the design of acceptability judgment experiments Week 4-5　Experimental semantics: the design of truth value judgment experiments Week 6-7 How to use PsychoPy and LINGER for your experiments Week 8-11 Statistics for data analysis Week 12-15 Discussing journal articles and final projects Week 16　Final project presentation
六、成績考核	Term paper (60%):　Choose a topic and design a judgment experiment.　Find 10-15 participants to do the test.　Analyze the data and write a report. Class presentation (30%) Attendance and participation (10%)
七、講義位址 　　http://	