

Syllabus

Course description

情緒和語言指涉了人類最爲重要的內在活動及存有經驗。近年來, 隨著認知科學與計算應用的迅速發展, 使得情緒與語言的各項整合研究愈來愈受到重視。情緒的研究有悠久的歷史, 在不同的學門包括心理學, 哲學, 認知神經科學等等已經累積了不少的成果。本課程將從語言學的角度出發, 引領學生思考情緒語言的特質與表徵, 透過情緒的概念化與語言表徵、情緒的事件模式、情緒詞彙的詞意分析、情緒詞庫與語料庫、計算情緒理論等等主題, 進一步培養對於情感「特質」(traits) 與「狀態」(states) 的多視角經驗探究興趣。

Tentative Schedule

weeks	date	topic	(flipped)lab / seminar
1	26/02	Course Overview	
2	05/03	導論：情緒的語言表徵 Emotion and Expressive Meaning	
3	12/03	語言與情緒分類 The Categorization of Emotions	
4	19/03	認知，詞彙語意語用與情緒 Speaker perspectives, emotions and attitudes	
5	26/03	情緒概念與知識本體 Emotion concepts	
6	<u>02/04</u>	Cancelled (National Holiday)	
7	09/04	情緒的語言資源：質性觀察與標記 Affective Corpus: Observation and annotation	
8	16/04	情緒的語言資源：情緒語料庫 Corpus-based analysis	
9	23/04	情緒的語言資源：情緒詞庫	

		Emotion Lexicon:
		Experimental and Computational Perspective
10	30/04	Mid-term exam.
11	07/05	情緒的語言資源：議題與挑戰
		Constructing Emotion Lexicon: Issues and challenges
12	14/05	文本與語音為本的情緒偵測與分析
		Computational treatment on para-linguistics
		Traits and States Recognition
13	21/05	文本與語音為本的情緒偵測與分析
		Emotion markup language and emotion ontologies
14	28/05	文本與語音為本的情緒偵測與分析
		Sentiment analysis
		Detection of deception, sarcasm, emotion and personality
15	04/06	情緒的社會與政治脈絡
		Sentiment and opinion mining in the political context
16	11/06	情緒的社會與政治脈絡
		Social meaning and sentiment in the Social Media
17	18/06	Term paper presentation
18	25/06	Term paper due

Class Activities and Requirements

The class will interleave two modes: (1). Lectures and in-class exercises (2 hours) mainly based on the contents of selected references. (2) Lab / seminar session (1 hour) that will give you more hands-on experience in working with emotion data using computers, as well as sharing your efforts in understanding a specific topic. Required work in this class will include weekly homework and reading, preparation for (flipped) seminar, and a term paper and / or implementation project. We will invite NLP practitioners and Social Media companies to the class sharing with their works / interests in the related fields of emotion / sentiment analysis.

- A laptop is needed for the lab session.
- Attendance is obligatory. You have to ask for a leave in advance if you cannot attend the class. Your grade will be affected by the number of your absences. You'll lose 5 points of your final grade for each unapproved absence. Also, please be punctual.
- You are expected to complete weekly readings and assignments before coming to class, and be well-prepared for all class discussions and activities. A course website with class materials will be soon available at
<http://lope.linguistics.ntu.edu.tw/courses/2015/emole>.
- Weekly homework is due at 23:50 on Tuesdays, and **no late assignment is accepted**. You will be asked to turn in a proposal early in the semester so that I can help you design and execute your project. Proposed topics will also be discussed in class later. (The target conferences are PACLIC 2015 and ROCLING 2015, FYI.)
- There will NO mid-term exams. Grading is based on : 40% of the grade will be based on participation, in-class exercises and homework assignments. 20% for ONE seminar presentation, the remaining 40% will be based on your performance on the term paper, including the effort going into its development and the quality of written and oral presentation of it during the last week of class.
- There will be no single textbook for this course. However, we will mainly refer to some learning materials. For your interest, other references are listed in the following.

There will be more materials available and distributed during the semester, please check the class website for this course. The following books can also be recommended for your advanced studies:

References

- [1] M. Lewis, J. M. Haviland-Jones, and L. F. Barrett. (2008). Handbook of Emotions. The Guilford Press.
- [2] Bjorn W. Schuller and Anton M. Batliner. (2014). Computational paralinguistics: Emotion, affect and personality in speech and language processing. John Wiley & Sons, Ltd.
- [3] Angeliki Athanasiadou and Elzbieta Tabakowska. (1998). Speaking of emotions: Conceptualisation and expression, volume 10. Walter de Gruyter.
- [4] Monika Bednarek. (2008). Emotion talk across corpora. Palgrave Macmillan Basingstoke.
- [5] Keith Oatley, Jennifer M Jenkins, and Dacher Keltner. (1996). Understanding emotions. Blackwell Oxford.
- [6] Ortony, Andrew, Gerald L. Clore, and Allan Collins. (1988). The Cognitive Structure of Emotions. Cambridge: Cambridge University Press.
- [7] Kovecses, Zoltan. (1990). Emotion Concepts. New York: Springer-Verlag.
- [8] Huang, Shuanfan. (2002). Tsou is different: a cognitive perspective on language, emotion, and body. Cognitive Linguistics 13(2). 167-186.