Emotion Analysis on Texts and its Challenge

Speaker: Dr. Lun-Wei Ku

Abstract

Emotion analysis is included in the research domain of sentiment analysis. It has attracted much attention and become more and more important for several reasons. As emotion is a subjective state of people, it is a good reference to know user preferences and further to provide suitable recommendations; Emotion reflects people's feelings, so it is very helpful in the design of human-computer interface; Emotional expressions have powerful influence on readers, and therefore extracting them are critical for reputation management of people, companies, brands and products; Emotions are related to both mental and physical health. Hence psychologists and medical groups have also joined this research domain.

The talk will begin from some prior knowledge of emotion analysis, such as how emotions are categorized and the characteristics of this research problem. An overview of some novel approaches for detecting emotions comes next, and then approaches we proposed together with the challenges will be presented in more details. In the last part, this talk will be concluded by showing our ambience creation pack, IlluMe, which was developed using techniques of emotion analysis.