Department of Psychology
The University of Hong Kong
香港大學心理學系

Brown Bag Lunchtime Seminar (Via Zoom)
(Theme: Cognition and Neuroscience)

Eye movement patterns in isolated English word reading

12:30 p.m. – 1:30 p.m. | May 28, 2021 (Friday)

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Abstract
In isolated word reading, readers have the best performance when fixating between the beginning and center of a word, i.e., the optimal viewing position (OVP). Also, perceptual expertise literature suggests that both global and local processing are important for visual stimulus recognition. Here we showed that in lexical decision, higher similarity to an eye movement pattern that focused at the OVP and better local processing ability predicted faster response time (RT), in addition to verbal working memory and lexical knowledge. Also, this eye movement pattern was associated with longer RT in naming isolated single letters, suggesting conflicting visual abilities required for identifying isolated letters and letter strings. In contrast, word and pseudoword naming RT, and lexical decision and naming accuracy, were predicted by lexical knowledge but not eye movement pattern or global-local processing abilities. Thus, visual processing abilities are important factors accounting for isolated word reading fluency not involving naming.

About the speaker
I am an MPhil student of Dr. Janet Hsiao, and my current research interests focus on eye-movement patterns in reading.

Zoom Meeting
https://hku.zoom.us/j/3951550048?pwd=SncvL3RYakEycUtpL29vdDJEdlEwdz09
Meeting ID: 395 155 0048 | Password: psyc

~All are Welcome~

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