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2021

Influence of Pedagogical Agent's Voice on Effort Ratings and Recall Performance

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Recommended Citation

Morris, Thomas W. and Chen, Hung-Tao, "Influence of Pedagogical Agent's Voice on Effort Ratings and Recall Performance" (2021). *Pedagogicon Poster Gallery*. 4. https://encompass.eku.edu/pedagogicon_postergallery/4

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INTRODUCTION

- The usage of computer-generated voices are increasingly common in daily life.
- Results were consistent to work by Craig & Schroeder (2017).
- Questions:
 - How does machine synthesized voice affect cognitive effort?
 - When placed under cognitive stress, how will participants perform in recall related tasks?

METHOD

Design & Materials (n=122)

Within-subjects design with three conditions: 1) Classic Synthesized, 2) Modern Synthesized, and 3) Human.

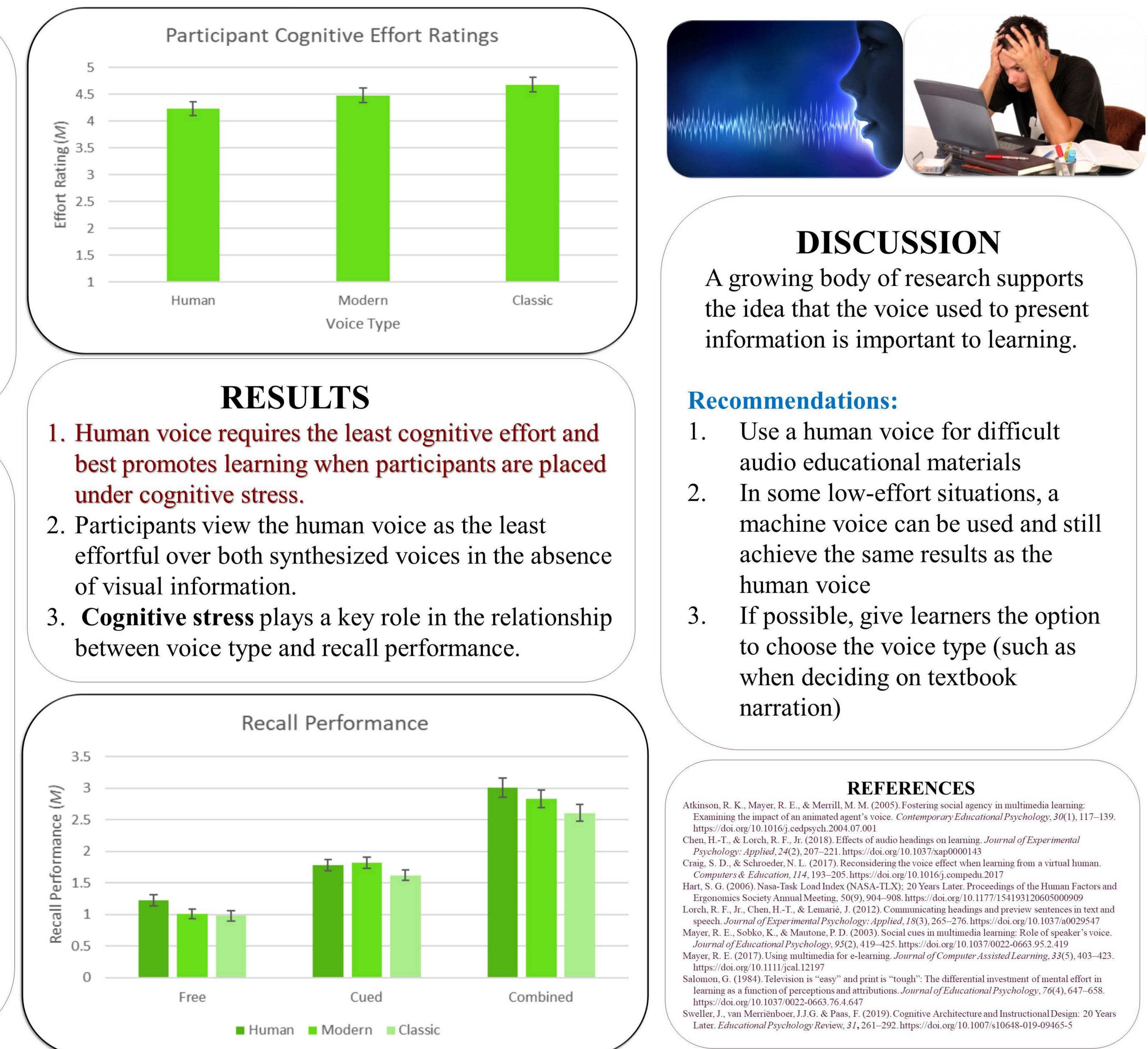
Procedure

- 1. Training & acquainting with procedure and format
- 2. Memorize 5-digit number
- 3. Audio Lecture
 - Divided into 3 segments, each segment presented by a different stimulus (counterbalanced)
- 4. Recall 5-digit number
- 5. NASA-TLX
- 6. Recall Questions

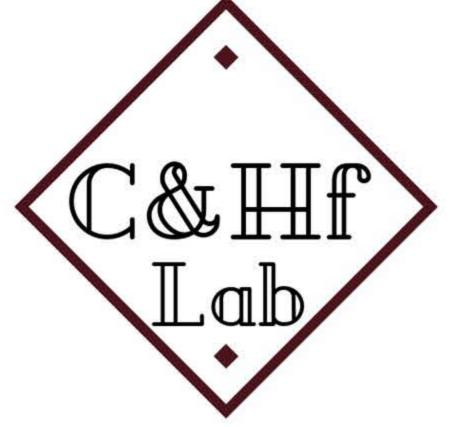
Influence of Pedagogical Agent's Voice on Effort Ratings and Recall Performance

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