Fall 2024 Cycle Reading List: Cognitive/Engineering Psychology

Topic: Visual working / short-term memory

1. Alvarez, G. A., & Cavanagh, P. (2004). The capacity of visual short-term memory is set both by visual information load and by number of objects. *Psychological Science, 15(2)*, 106–111.

2. Awh, E., Barton, B., & Vogel, E. K. (2007). Visual working memory represents a fixed number of items regardless of complexity. *Psychological Science, 18(7)*, 622–628.

3. Bays, P. M., & Husain, M. (2008). Dynamic shifts of limited working memory resources in human vision. *Science, 321(5890)*, 851–854.

4. Brady, T. F., Konkle, T., & Alvarez, G. A. (2011). A review of visual memory capacity: Beyond individual items and towards structured representations. *Journal of Vision, 11*, 1–34.

5. Brady, T. F., & Alvarez, G. A. (2011). Hierarchical encoding in visual working memory: Ensemble statistics bias memory for individual items. *Psychological Science, 22,* 384-392.

6. Brady, T. F., Stormer, V. S., & Alvarez, G. A. (2016). Working memory is not fixed-capacity: More active storage capacity for real-world objects than for simple stimuli. *Proceedings of the National Academy of Sciences, 27,* 7459-7464.

7. Chow, M., & Conway, A. R. A. (2015). The scope and control of attention: Sources of variance in working memory capacity *Memory and Cognition, 43,* 325-339.

8. Cowan, N. (2001). The magical number 4 in short-term memory: A reconsideration of mental storage capacity. *Behavioral Brain Sciences, 24(1)*, 87–114.

9. Fougnie, D., Asplund, C. L., & Marois, R. (2010). What are the units of storage in visual working memory? *Journal of Vision, 10*, 1-11.

10. Kahneman D., Treisman A., Gibbs B. J. (1992). The reviewing of object files: Object-specific integration of information. *Cognitive Psychology*, 24(2), 175–219.

11. Kool, W., Conway, A. R. A., & Turke-Brown, N. B. (2015). The sequential dynamics of visual short-term memory. *Attention, Perception, & Psychophysics, 76,* 1885-1901.

12. Logie, R. H. (2011). The functional organization and capacity limits of working memory. *Current Directions in Psychological Science, 20(4)*, 240-245.

13. Luck, S. J., & Vogel, E. K. (1997). The capacity of visual working memory for features and conjunctions. *Nature, 390(6657)*, 279–281.

14. Morey, C. C. (2018). The case against specialized visual-spatial short-term memory. *Psychological Bulletin, 144*(8), 849–883.

15. Shurgin, M. W., & Flombaum, J. (2018). Visual working memory is more tolerant than visual long-term memory. *Journal of Experimental Psychology: Human Perception and Performance, 44,* 1216.

16. Suchow J. W., Fougnie D., Brady T. F., & Alvarez G. A. (2014). Terms of the debate on the format and structure of visual memory. *Attention, Perception, & Psychophysics, 76(7)*, 2071-2079.

17. Thyer, W., Adam, K. C. S., Diaz, G. K., Velázquez Sánchez, I. N., Vogel, E. K., & Awh, E. (2022). Storage in visual working memory recruits a content-independent pointer system. *Psychological Science, 33(10)*, 1680-1694.

18. Todd J. J., Marois R. (2004). Capacity limit of visual short-term memory in human posterior parietal cortex. *Nature*, 428(6984), 751–754.

19. Vogel E. K., Machizawa M. G. (2004). Neural activity predicts individual differences in visual working memory capacity. *Nature*, 428(6984), 748–751.

20. Zhang, W., & Luck, S. J. (2008). Discrete fixed-resolution representations in visual working memory. *Nature, 453(7192)*, 233–35.