

Reading list – Advanced topics in cognitive psychology (spring 2018)

The books (□) are recommended as background literature. Journal articles marked by ✓ are available online through UiB and/or google scholar. Those that are not available online (o) can be purchased in the Literature Kiosk (or obtained from the lecturer).

Literature recommended here is intended to supplement the PPTs and accompany the lectures, to go more deeply into a topic of interest, or to look up specific details (those set in grey are optional).

Culture and its role for cognition

- ✓ Beller, S., & Bender, A. (Eds.) (2015). Exploring cognitive diversity: Anthropological perspectives on cognition. *Topics in Cognitive Science*, 7(4), 548-688.
[selection of articles on cultural diversity in cognition]
- ✓ Bender, A., & Beller, S. (2016). Current perspectives on cognitive diversity. *Frontiers in Psychology*, 7:509, 1-7.
[brief overview on recent research on cultural diversity in cognition]
- ✓ Henrich, J., Heine, S. J., & Norenzayan, A. (2010). The weirdest people in the world? *Behavioral and Brain Sciences*, 33, 61-135.
- Hutchins, E. (1995). *Cognition in the wild*. Cambridge: MIT Press.
[a classic, detailed study of distributed cognitive processes in a navy ship]

Explanatory frameworks

- Atran, S., & Medin, D. L. (2010). *The native mind and the cultural construction of nature*. Cambridge: MIT Press. [330 pages]
[great book by two pioneers in the field on how cultural background affects cognitive processing, illustrated for the biological domain; recommended as background, available at Akademika]
- o Bender, A., Beller, S., & Medin, D. L. (2017). Causal cognition and culture. In M. R. Waldmann (Ed.), *The Oxford handbook of causal reasoning* (pp. 717-738). New York: Oxford University Press.
- ✓ ojaletto, b., Medin, D. L., & García, D. (2017). Conceptualizing agency: Folkpsychological and folkcommunicative perspectives on plants. *Cognition*, 162, 103-123.
[a fascinating article on “plant psychology”]

Language evolution and diversity, multilingualism, and foreign language effect

- ✓ Bialystok, E., Craik, F. I. M., & Luk, G. (2012). Bilingualism: Consequences for mind and brain. *Trends in Cognitive Sciences*, 16, 240-250.
- ✓ Dehaene, S., Cohen, L., Morais, J., & Kolinsky, R. (2015). Illiterate to literate: Behavioural and cerebral changes induced by reading acquisition. *Nature Reviews Neuroscience*, 16, 234-244.
- ✓ Hayakawa, S., Costa, A., Foucart, A., & Keysar, B. (2016). Using a foreign language changes our choices. *Trends in Cognitive Sciences*, 20, 791-793.
- ✓ Kirby, S., Griffiths, T., & Smith, K. (2014). Iterated learning and the evolution of language. *Current Opinion in Neurobiology*, 28, 108-114.
- ✓ Vangsnes, Ø. A., Söderlund, G. B. W., & Blekesaune, M. (2015). The effect of bidialectal literacy on school achievement. *International Journal of Bilingual Education and Bilingualism*.

Language and thought (“linguistic relativity”), examples from color and grammatical gender

- ✓ Beller, S., Brattebø, K. F., Lavik, K. O., Reigstad, R. D., & Bender, A. (2015). Culture or language: What drives effects of grammatical gender? *Cognitive Linguistics*, *26*, 331-359.
- ✓ Bender, A., Beller, S., & Klauer, K. C. (2016). Lady Liberty and Godfather Death as candidates for linguistic relativity? Scrutinizing the gender congruency effect on personified allegories with explicit and implicit measures. *Quarterly Journal of Experimental Psychology*, *69*, 48-64.
- ✓ Kay, P. & Kempton, W. (1984). What is the Sapir-Whorf hypothesis? *American Psychologist*, *86*, 65-79.
- ✓ Mitterer, H., Horschig, J. M., Müsseler, J., & Majid, A. (2009). The influence of memory on perception: It’s not what things look like, it’s what you call them. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, *35*, 1557-1562.
- ✓ Regier, T., & Kay, P. (2009). Language, thought, and color: Whorf was half right. *Trends in Cognitive Sciences*, *13*, 439-446.
- Wolff, P., & Holmes, K. J. (2011). Linguistic relativity. *Wiley Interdisciplinary Reviews: Cognitive Science*, *2*, 253-265.

Space, Time, and number

Number systems and counting

- ✓ Bender, A., & Beller, S. (2012). Nature and culture of finger counting: Diversity and representational effects of an embodied cognitive tool. *Cognition*, *124*, 156-182.
- ✓ Bender, A., & Beller, S. (2014). Mangarevan invention of binary steps for easier calculation. *Proceedings of the National Academy of Science of the USA*, *111*, 1322-1327.
- ✓ Feigenson, L., Dehaene, S., & Spelke, E. (2004). Core systems of number. *Trends in Cognitive Sciences*, *8*, 307-314.
- Schlimm, D., & Neth, H. (2008). Modeling ancient and modern arithmetic practices: Addition and multiplication with Arabic and Roman numerals. In B. C. Love et al. (Eds.), *Proceedings of the 30th Annual Conference of the Cognitive Science Society* (pp. 2097-2102). Austin: Cognitive Science Society.
- ✓ Spaepen, E., Coppola, M., Spelke, E. S., Carey, S. E., & Goldin-Meadow, S. (2011). Number without a language model. *Proceedings of the National Academy of Science of the USA*, *108*, 3163-3168.

Spatial & temporal references

- ✓ Beller, S., Bohlen, J., Hüther, L., & Bender, A. (2016). Perspective taking in referring to objects *behind* versus *in front of* an observer: Frames of reference, intraindividual consistency, and response latencies. *Quarterly Journal of Experimental Psychology*, *69*, 1384-1408.
- ✓ Majid, A., Bowerman, M., Kita, S., Haun, D. B. M., & Levinson, S. C. (2004). Can language restructure cognition? The case for space. *Trends in Cognitive Sciences*, *8*, 108-114.
- ✓ Núñez, R. E., & Cooperrider, K. (2013). The tangle of space and time in human cognition. *Trends in Cognitive Sciences*, *17*, 220-229.