

Today's topic:

- **Presentation and discussion:
AoA effects in skilled readers**

Background:

- Juhasz, Gullick, & Shesler (2011), "The effects of age-of-acquisition on ambiguity resolution..."

0. Course info and announcements

- **Group 2:** Remember to fill out the **self and peer evaluation form** by **5pm** on **Th Mar 7** (GDoc form; see link via Canvas “Assignments”)

1. Article presentation

- **Group 2 article presentation**

Juhasz, Barbara J., Margaret M. Gullick, & Leah W. Shesler. 2011. The effects of age-of-acquisition on ambiguity resolution: Evidence from eye movements. *Journal of Eye Movement Research*, 4(1): 4, 1–14.

[<https://doi.org/10.16910/jemr.4.1.4>]

- [Article link](#) (open access)

2. Discussion: Juhasz et al. (2011)

- Any additional comments or questions?

2. Discussion: Juhasz et al. (2011)

- Are there measures **other than fixation duration** that show a significant difference between early AoA and late AoA meanings in Experiment 1?

2. Discussion: Juhasz et al. (2011)

- Experiment 2 results

(Juhasz et al 2011: 7, emphasis added)

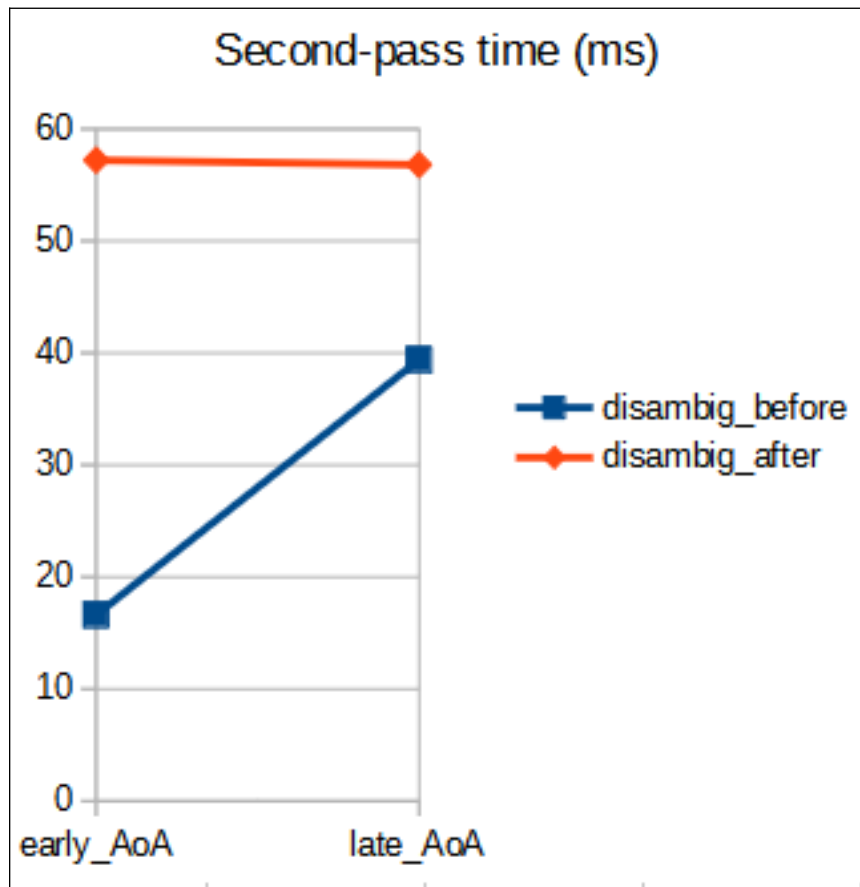
“The only effect that approached significance was a 9 ms advantage in gaze durations for ambiguous words with a late-acquired meaning ($t_1(54) = 1.74$, $p=.087$; $t_2(15) = 2.40$, $p<.05$). **This effect is likely spurious [...]** | **Why?**

2. Discussion: Juhasz et al. (2011)

- What do the differences between Expt 1 and Expt 2 results seem to mean?
 - Corollary: What measures could have shown, but didn't show, a difference between the AoA conditions in Expt 2?

2. Discussion: Juhasz et al. (2011)

- What was the ANOVA analysis about?
What did it find?



- only ME *before/after* had $p < 0.05$

2. Discussion: Juhasz et al. (2011)

- One of the big-picture questions for this article:

What aspect of a word's representation in the mental lexicon is affected by AoA?

- The semantic representation?
 - All levels (semantic, phonological, orthographic)?
- Do the results of the experiments discussed in this article bear on this question?

2. Discussion: Juhasz et al. (2011)

- What is the relevance of these aspects of word meaning, mentioned in the General Discussion?
 - concreteness
 - imageability

3. Meta-discussion: On article presentations

- Now that we have seen two presentations...

Does anyone have any suggestions or ideas for the **presenters** or the **audience** to consider, going forward?

4. Silent reading in skilled adults

- What kinds of factors have we seen playing a role in how **adults** go about silent reading?

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- What kinds of factors have we seen playing a role in how **adults** go about silent reading?
 - **Phonology** (sound code) is part of accessing word representations, even in silent reading
 - **Semantics** (meaning) matters, even in early stages of word and sentence processing
 - Higher-**frequency** words accessed more quickly
 - Early **AoA** words accessed more quickly under certain conditions

5. Upcoming

- Group 3 article prep on Th
- Group 4 article prep next Tu (after Spring Break)
- Then two presentation days in a row