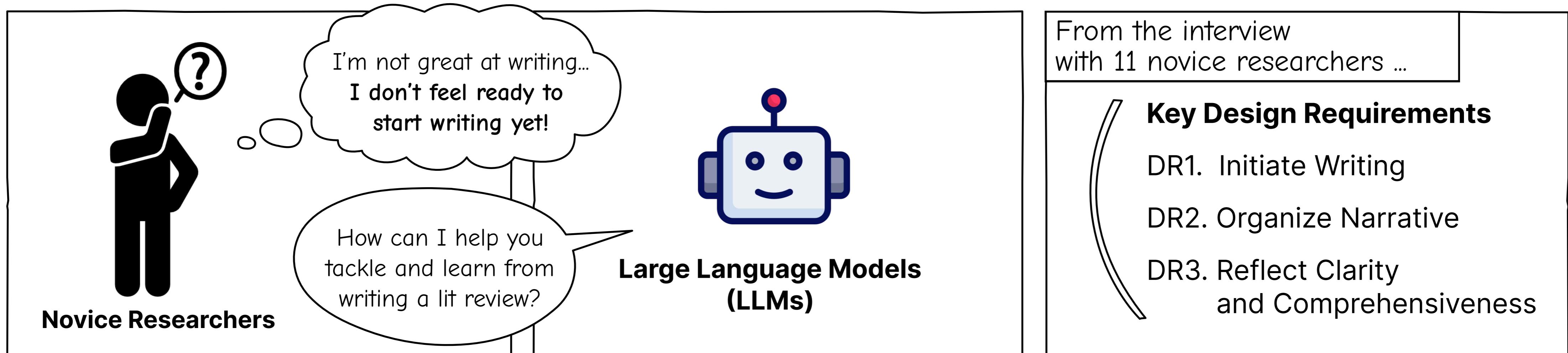


Supporting Novice Researchers to Write Literature Review using Language Models

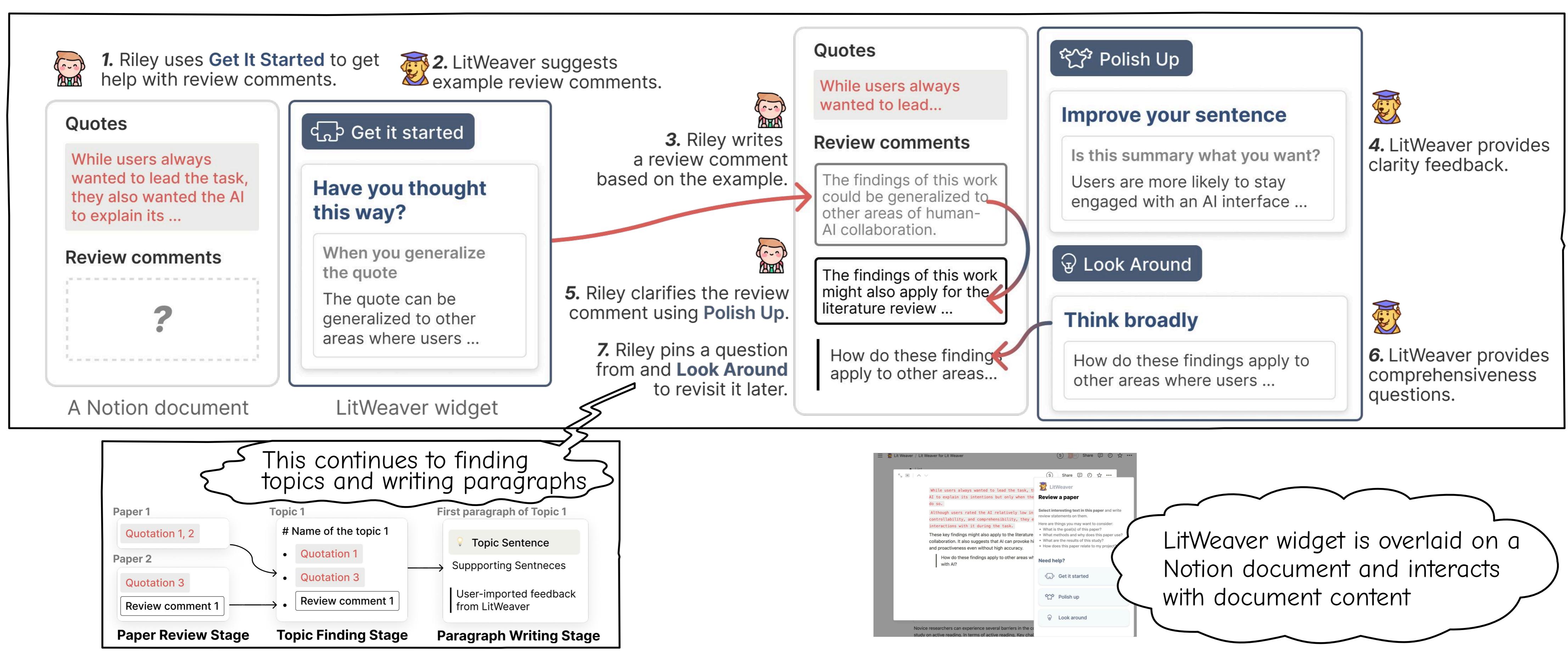
Kiroong Choe, Seokhyeon Park, Seokweon Jung, Hyeok Kim, Jiwon Yang, Hwajung Hong, and Jinwook Seo



Writing in literature review is not a final step, but...



LitWeaver supports this with scaffolded workflows and LLM capabilities.



12 participants, including 3 long-term, said that...

They could initiate, organize, and reflect

Jay (Short-term): Stacking papers to tackle the 'related work' section led me to a blank stare until LLM nudged me towards finding a topic sentence, **breaking the deadlock**.

Lily (Long-term): At first, I was like, "Why bother with long comments on quotes? A few words should do." But with **detailed notes**, I can now easily recall why I chose each quote and integrate them into my review.

They calibrated expectations of LLM

Hyo (Long-term): Took me a bit, but I got it! Feeding the LLM more refined notes really spiced up the outcome.

Song (Long-term): Writing's on us, not the AI. It's good for a nudge, but I'm keeping it to only suggesting.

Lily: Despite its limits, LLM cut down the grunt work. **We finally collaborated** by understanding its role!

They felt supported and developed agency

Hyo (Long-term): It was like **having colleagues around**. I'm used to mulling over my writing solo, but LLM feedback really bridged the gap for me.

Song (Long-term): Initially, I was anxious, doubting my abilities and hoping LLM would fill in the blanks with perfect sentences. That wasn't the case. It pushed me to rely on myself, and guess what? **I was good enough!**