I'd first like to say thank you to my committee for their feedback and guidance throughout this dissertation process. I have taken their feedback and enacted the required changes, listed below:

1. Figures in the results sections - not all are showing significant differences and some need annotations on the y-axis to say what it shows and what is better or worse.

This has been fixed throughout the paper, with the traditional system of * - $p < .05$, ** - $p < .01$, and *** - $p < .001$, and, where relevant, y-axis titles were created to better capture what the chart was showing.

2. Ensure the logical sequence of studies is clear and makes sense, and to be clear about how earlier studies informed later studies.

I addressed this through expanding each chapter opening to better introduce the research question and what studies were performed. In the study descriptions, I state when the study was performed, state which phase of the dissertation it was (e.g., the AR/VR study was the second main study), and describe what version of IST was used.

Furthermore, I expanded section 1.3.1 (Organization, pages 7-8) to more clearly state what is in each chapter, explicitly state the order of studies, and added some high level findings from each chapter.

3. Extend and integrate Future Work Section, and add future work on scalability of IST.

I addressed this by expanding section 6.2 (Future Work, pages 109-110). Each proposed study is its own subsection, adding citations for additional reasoning, and how they relate to the three dissertation research questions. I added additional future work looking at scalability as requested, in section 6.2.1.

4. Add references on spatial memory, e.g. Data Mountain Paper

To address this comment, I heavily modified the Spatial Memory subsubsection (pages 10-12) adding several sources as requested. I also added a few sentences to section 2.1.1 (pages 9-10), adding how humans use distributed cognition and external representations of memory to better understand hierarchical tasks.

5. Tie Data/Frame theory to spatial memory

I added an additional paragraph to my discussion on Data/Frame theory (pages 13-14), emphasizing how analysts continually need to recall where particular data artifacts are located, and how that emphasizes the use of spatial memory.

Lee Lisle