

Hi ChatGPT, I'm conducting research into the longevity (including lifecycle and sustainability) of research software in the domain of historical studies (broadly defined, including archaeology, history, corpus and historical linguistics, and digital humanities). In particular, we're interested in efforts to characterise or estimate the lifespan ('half-life'; 'shelf-life') of research software tools in historical studies (as defined above), but we are also interested in other research about lifecycle and sustainability in this domain, and we are interested in software lifespan research from other academic domains (and potentially commercial software, if there are few studies focusing on research software - but only if necessary). We need accurate references and a thorough discussion of the literature for use in a scholarly publication in a top-quartile journal. In a previous chat, you generated the output I've included below, but I'm not entirely satisfied with it. Can you help me to generate a prompt to produce a thorough literature review including gaps in the literature? Assume that the prompt is for you acting as my AI research assistant, with capabilities to browse websites, query academic databases, inspect source code repositories, and check the Internet Archive. Later we'll execute the prompt, but I'd like your help with the prompt itself first.

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Literature Review

1. Lifecycle and Sustainability of Research Software in Historical Sciences

Prior Research and Case Studies: Numerous studies in digital humanities and related fields have highlighted concerns about the short lifespan of research software and digital projects relative to the long-term needs of scholarship

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. For example, Barats et al. (2020) emphasize the "inherent tensions between the long-term needs of data preservation and maintenance on the one side, and the short life cycles of data formats, platforms and