

An introduction to Systematic Reviews, digital evidence synthesis tools, and EPPI Reviewer

Dr. Melissa Bond, University College London

This introductory workshop will introduce participants to conducting systematic reviews in the field of education and is suitable for researchers at any stage of their academic career who have no knowledge, or only basic experience in systematic reviews. Participants will be introduced to the vast evidence synthesis family and be taken through the steps of conducting a review, including developing a search strategy, screening studies, extracting data, quality assessment, and synthesis. Participants will also learn about digital evidence synthesis tools, including how to use the evidence synthesis software, EPPI Reviewer, as well as when and how to use automation tools (such as large language models to support screening) safely. There will be hands on activities, so please bring a laptop or appropriate device. Participants are strongly encouraged to bring their current reviews (or ideas for future reviews) with them.

Learning Outcomes

To gain an understanding of the different stages of a systematic review, including searching, quality assessment, data extraction and synthesis.

To develop an understanding of qualitative approaches to conducting evidence synthesis, including theory development and using conceptual frameworks to guide inductive and deductive coding.

To develop knowledge of synthesis techniques when writing the results and discussion sections of a review report/paper.

To learn how to use EPPI Reviewer for setting up a review, including coding tools, screening and extracting data.

To develop an understanding of digital evidence synthesis tools, as well as when and how to use automation safely when conducting reviews.