

Visualising the evidence - technological methods for interactive communication and knowledge uptake from evidence syntheses

Samantha H. Cheng, Julien Brun, Kenton Russell, Madeleine McKinnon

Products from systematic evidence syntheses are often characterized by multi-dimensional and complex data. Exploring patterns and nuance in these datasets are critical for end-users who desire to gain insights from these syntheses, however, filtering insights from lengthy spreadsheets and PDF summaries can be complicated and time-consuming. Data visualization platforms and online databases are commonly used in knowledge management systems to simplify complex patterns and facilitate user engagement and learning. For evidence synthesis, visualizing complex patterns in an intuitive, engaging, and user-friendly way is important for broadening the accessibility and interpretability of knowledge. However, effectively visualizing this data is not without barriers and cautions. This presentation will present useful tools and tips for those interested in utilizing visualizations to communicate findings as well as advice on how to avoid misinterpretations.