Visual Exploration of Pairwise Meta-Analysis Results in Real Time

Authors: Huan He, Irbaz Bin Riaz, Syed Arsalan Ahmed Naqvi, Rabbia Siddiqi, Noureen Asghar, Mahnoor Islam, M. Hassan Murad, Hongfang Liu

Summary:
        An interactive and balanced presentation and interpretation of results from a pairwise meta-analysis (PWMA) can immensely facilitate evidence synthesizing in clinical research and practice. However, it's challenging to explore the PWMA results for clinicians and researchers as the complexity of clinical questions increases and the huge number of involved studies and outcomes. In response, we proposed a web-based visual analytics system to facilitate the real-time exploration of massive PWMA results.

ACM Author Affiliations: Huan He: Mayo Clinic; Irbaz Bin Riaz: Mayo Clinic; Syed Arsalan Ahmed Naqvi: Dow University of Health Sciences; Rabbia Siddiqi: Dow Medical University; Noureen Asghar: Dow University of Health Sciences; Mahnoor Islam: Dow University of Health Sciences; M. Hassan Murad: Mayo Clinic; Hongfang Liu: Mayo Clinic