



An illustration of transfer learning for collaborative filtering using **Rating-Matrix Generative Model (RMGM)** across two latent related domains. The first row shows the two original rating matrices with missing ratings (the white entries). There are three rating scales in each domain from 1 to 3 (black, deep gray, light gray). The second row shows the two rating matrices after co-clustering using RMGM and the user- and item-groups of two domains have been matched. The third row shows the rating prediction results in two rating matrices, from which the shared latent group-level structure between two CF domains can be easily found.