



Figure 1: Explained variance by component rank. The plot shows three metrics: component's explained variance (blue area), broken-stick model (red area), and cumulative explained variance (blue line). The x-axis is component rank (0 to 300) and the y-axis is explained variance (log scale, 10^{-3} to 10^{-1}). The cumulative explained variance increases rapidly, reaching approximately 0.75 at rank 300. The broken-stick model is a constant horizontal line at approximately 10^{-3} .