Simulated clustering speedup for 1024 element array using 64 vector lanes

Y-axis: **Simulated Speedup** (512, 64, 8, 1)

X-axis: **Number of categories (K)** (2, 4, 8, 16, 32, 64, 128, 256, 512, 1024)

Legend: - - - Unclustered — ●— Clustered —— IDEAL