

Figure 1: A 10x10 grid of scatter plots showing the distribution of the number of nodes in the largest component of a network. The y-axis is logarithmic, ranging from 0.6 to 10^4 . The x-axis represents the number of nodes in the largest component, ranging from 1 to 100. Each plot shows a distribution of nodes, with colors indicating different network types: blue for Erdős-Rényi, red for Barabási-Albert, and green for Watts-Strogatz. The distributions show a transition from a single large component to a fragmented state as the number of nodes increases.