

# Power vs. Number of Nodes for Different K with 95% CI (Cov\_Sign = Pos)

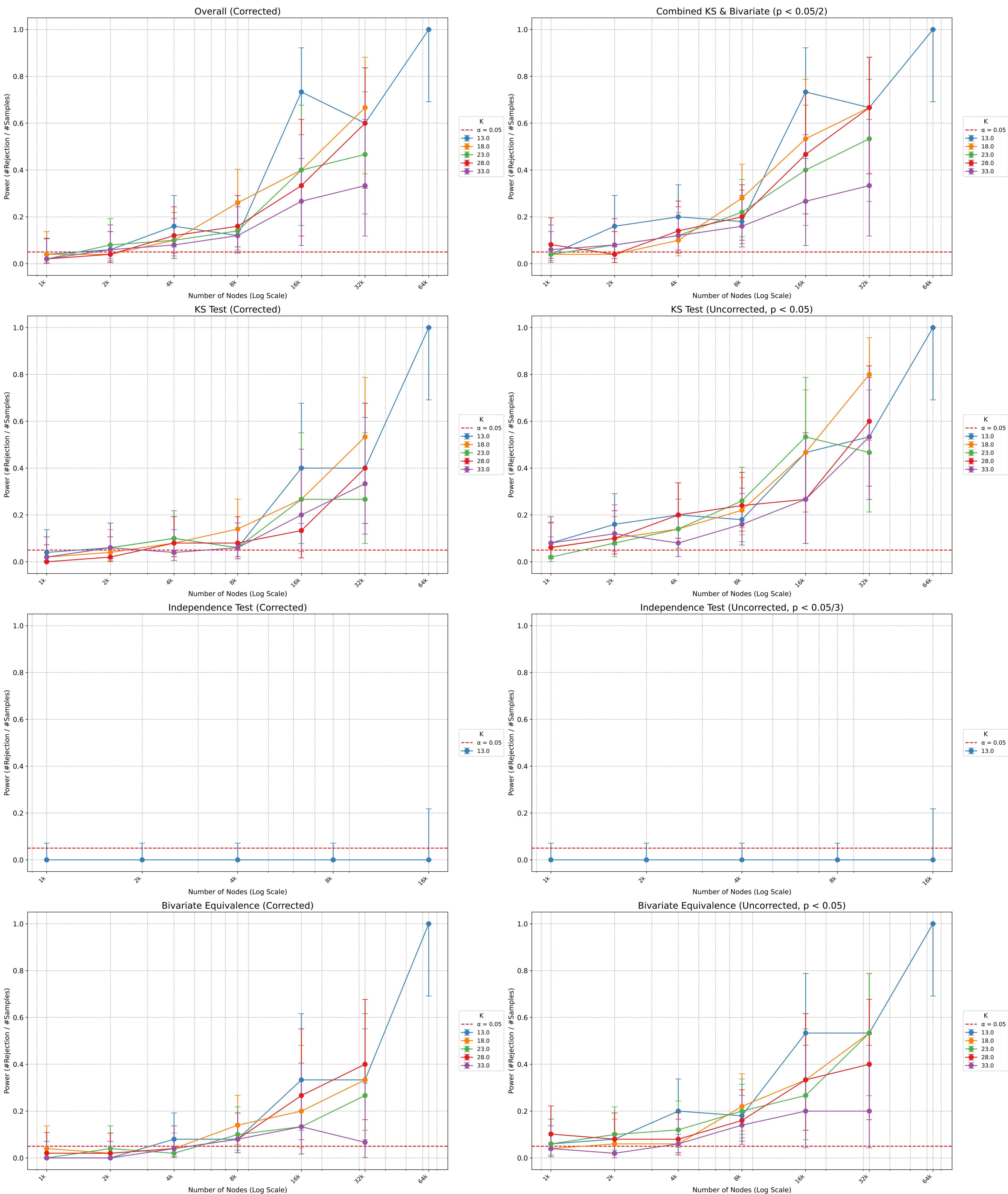


Figure 5: This line chart illustrates the relationship between the number of nodes and the statistical power of the hypothesis test, categorized by different  $K$ . A larger value of  $K$  is associated with greater test power.

\*Flows are all generated by the same setting: Distance = 5, Weight = 0.5, Cov\_sign = Pos,  $K = 13$ , Beta = 0.7, Graph = SmallWorld.  
#Classification: Top 25% Edge Degree & Top 25% Edge betweenness to class1; Bottom 25% Edge Degree & Bottom 25% Edge betweenness to class2.