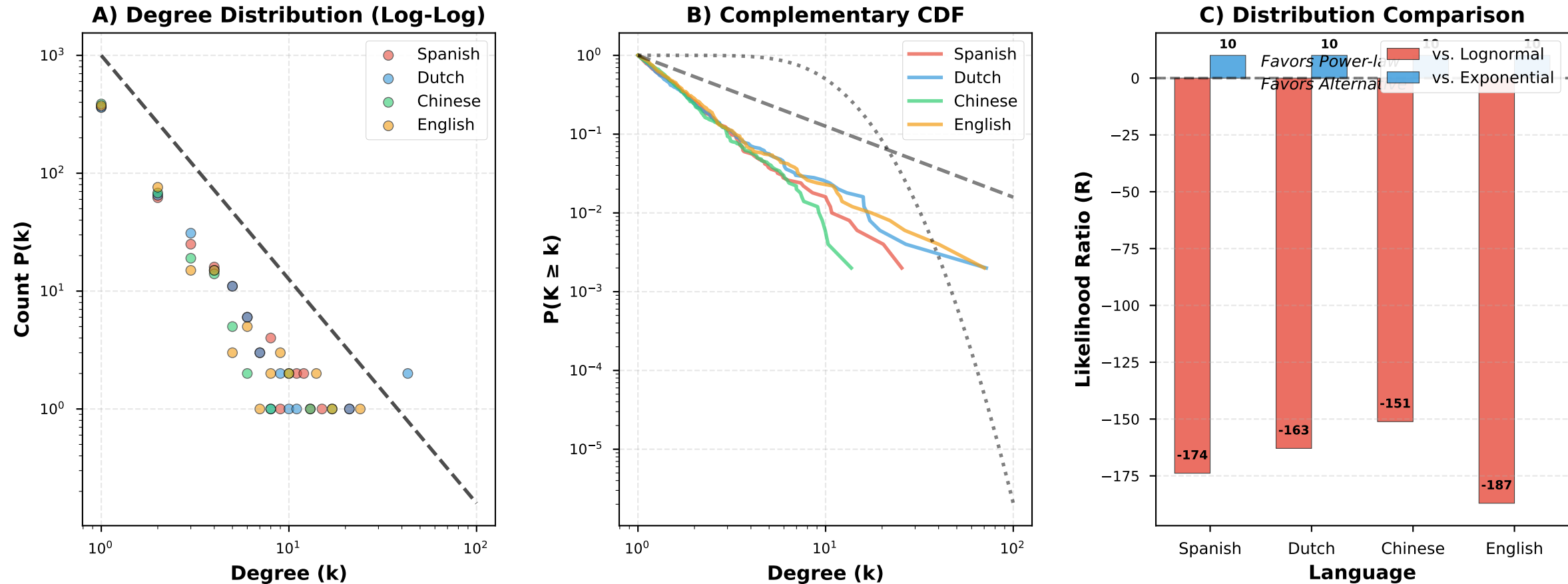


Figure 8: Scale-Free Analysis Diagnostics



Power-law analysis using Clauset et al. (2009) protocol. (A) Log-log degree distribution shows deviation from straight line ($\alpha=1.90\pm0.03$). (B) Complementary CDF with theoretical fits. (C) Likelihood ratio tests: lognormal fits significantly better than power-law (mean $R=-168.7$, $p<0.001$), indicating broad-scale rather than scale-free topology.