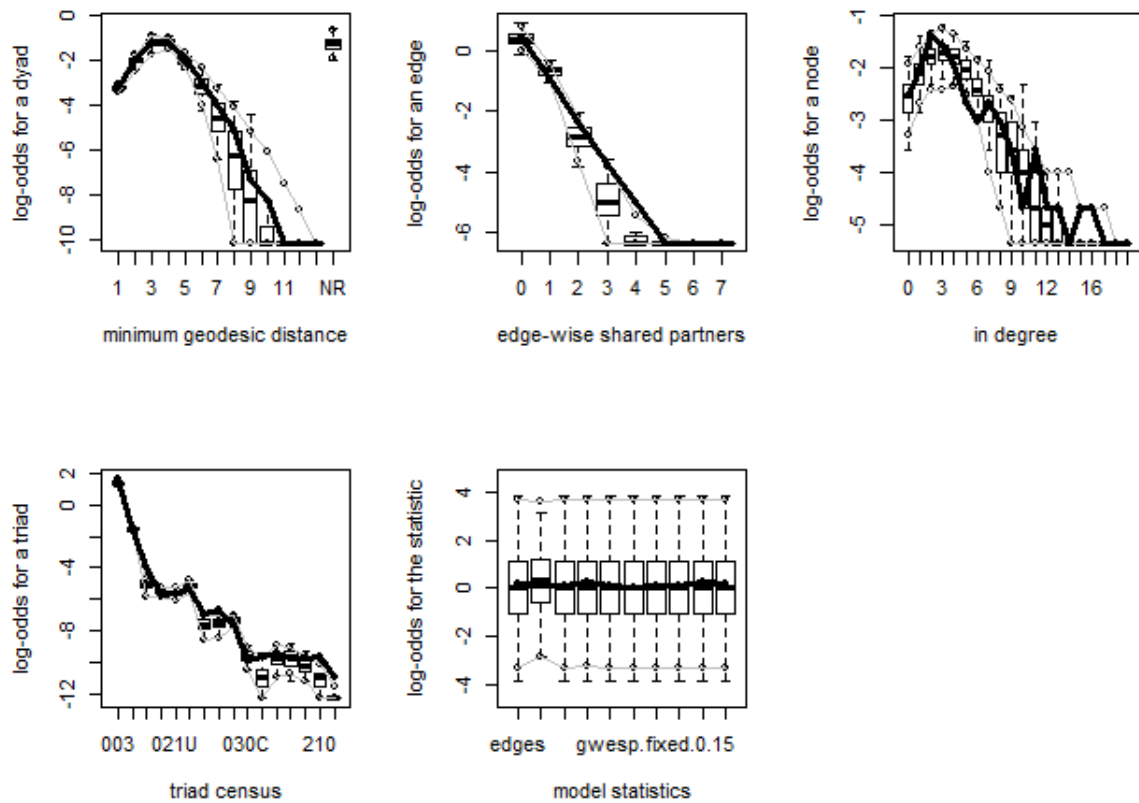


## Appendix: Goodness of fit diagnostics

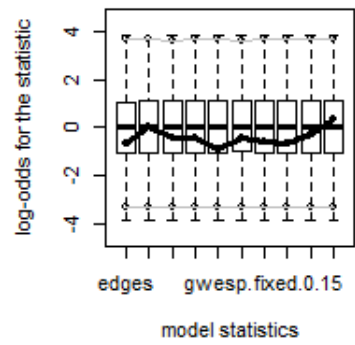
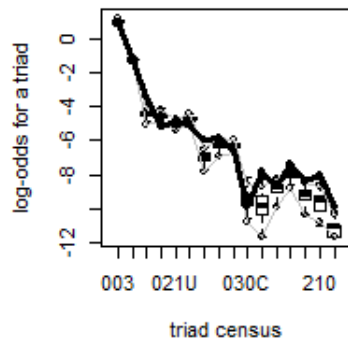
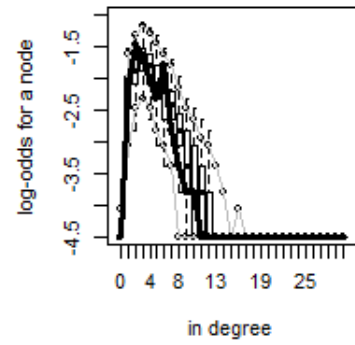
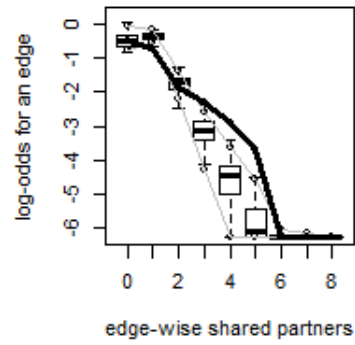
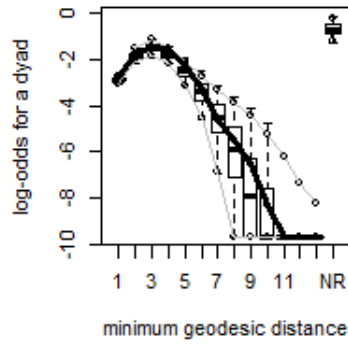
To check whether the models represent the data well, a large number of networks is simulated. The distribution of some common network statistics is then compared to that of the observed data. The boxplots represent the distribution across all simulated networks; the dark line represents the distribution of the observed network.

*Appendix 1 : Goodness of fit Ghana (based on Model 9)*

### Goodness-of-fit diagnostics



## Goodness-of-fit diagnostics



## Goodness-of-fit diagnostics

