Dataset and variables

A dataset with 173 observations examining the number of mastitis episodes in breastfeeding women (dataset: mastitis.csv).

The dataset consists of the following 6 variables:

`id`: patient id

`bgmonth`: the number of months of breastfeeding

`child`: the number of previous breastfed children

`mlpd`: the average amount of milk produced (ml)

`mast`: the number of mastitis episodes

`tmpd`: the number of sessions per day

Questions

1) Run a Poisson model examining whether the number of mastitis episodes in breastfeeding is associated with the number of previous breastfed children. Interpret the results.
2) Run a multiple Poisson model examining if the number of mastitis episodes in breastfeeding is affected by the number of previous breastfed children, the average amount of milk produced and the number of months of breastfeeding.
3) Check model in #2 for overdispersion and zero inflation. Interpret the results.
4) Depending on your results in #3 run an appropriate model and interpret the results.
5) Run a test to examine if the model in #4 is better than model #2.