Practical: Network meta-analysis with hazard ratio summaries alongside count data

1. Introduction

Data and BUGS code from Woods (2010). They are saved in `part 2/practical/hr_counts_input_data.RData` and created at the top of the analysis `R` script. The data include the following variables:

- `Lstudy`: Hazard study ID
- `Ltx`: Hazard study treatment index
- `Lbase`: Hazard study base treatment
- `Lmean`: Mean hazard ratio
- `Lse`: Hazard ratio standard error
- `multi`: Multiple arm study
- `Bstudy`: Binary data study ID
- `Btx`: Binary data treatment index
- `Bbase`: Binary data base treatment
- `Br`: Binary data number of events
- `Bn`: Binary data total number of individuals
- `LnObs`: Hazard data number of observations
- `BnObs`: Binary data number of observations
- `nTx`: Total number of treatments
- `nStudies`: Total number of studies

The `R` script `Woods_script.R` guides you through the analysis.

2. BUGS code

Look at the BUGS code in the file `Woods_BUGS_code_FE.txt`. This is the fixed effects version of the model.

3. Running the model

- Run the model using the `bugs()` command and inspect the output.
- What is the conclusion?