NMA package

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What we've aleady covered

We've seen

- A simple example for smoking cessation with count data
- Fixed effect and random effect models
- How to write R and BUGS code to fit and explore these models

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What next?

- Lots of the steps in preparing the data and inputs and writing the BUGS code are very similar between different projects and data sets
- But what if the data are in **different formats**?
- What if we want to repeat similar analyses **numerous times**?
- What if we have some new data that is similar but we would have to **hack** at the R code to use it?
- It can be hard to figure out when theres a **bug** in the code

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NMA package

- Prewritten code is 'packaged up' in to a **convenient** resource
- A **simple, intuitive interface** makes running NMAs simple
- More functionality is available for **different input data formats** (survival, binary, count)
- It can be **updated and modified** according to user needs
- Analyses can be **automated** and **batches** of runs performed

- **Documented** with help files and vignettes for how to use

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Smoking cessation example again

> ffff