Readme file for “FisherMLselectionSQ.data”, the data file required to recreate the analysis from "Multilevel and sex-specific selection on competitive traits in North American red squirrels", published in Evolution.

The data have a 5 year embargo from the date of publication. If you are accessing this, and wish for a more up to date dataset, please contact Andrew McAdam (amcadam@uoguelph.ca).

## Column names and description

**squirrel\_id** Unique identifier for the individual squirrel

**sex** The sex (“F” for female, or “M” for male) of the squirrel

**mother\_id** Unique identifier of the squirrel’s mother, using mother’s “squirrel\_id”

**litter\_id** Unique identifier of the litter the squirrel was born in

**year** Year squirrel was born in

**study area** Study area (“KL” or “SU”) squirrel was born in

**sq\_density** Density (adult squirrels per hectare) of the study area when the squirrel was born

**recruit** Binary variable, 0 = squirrel did not survive 200 days, 1 = squirrel did survive 200 days

**rel.i\_l.gr** Individual growth rate relative to the mean of its litter

**rel.l\_n.gr** Litter mean growth rate relative to the mean of its social neighbourhood

**rel.n\_s.gr** Neighbourhood mean growth rate relative to the mean of its study area

**rel.s\_y.gr** Study area mean growth rate relative to the mean of that year

**rel.y\_o.gr** Year mean growth rate relative to the overall mean

**rel.i\_y.gr** Individual growth rate relative to the mean of that year

**rel.l\_n.bd** Litter birth date relative to the mean of its social neighbourhood

**rel.n\_s.bd** Neighbourhood mean birth date relative to the mean of its study area

**rel.s\_y.bd** Study area mean birth date relative to the mean of that year

**rel.y\_o.bd** Year mean birth date relative to the overall mean

**rel.l\_y.bd** Litter birth date relative to the mean of that year