

# Exploring Fixed effects

Fay Frost

## Longevity

Here we table the categorical fixed effect variables in the longevity data.

```
table(rdata$Class)
```

```
##
##  Annelida Arachnida Crustacea  Insecta  Rotifera
##      2      219      28    1102      26
```

```
table(rdata$Habitat)
```

```
##
##  Aquatic      Both Terrestrial
##      56      55    1266
```

```
table(rdata$Sex.exposed)
```

```
##
##      Both      Female      Male Parthenogenetic      Unsure
##      569      599      4      202      3
```

```
table(rdata$Fertilisation.mode)
```

```
##
##  External      Internal Parthenogenetic
##      2      1217      4
```

```
table(rdata$Agricultural.importance)
```

```
##
## Control agent      No      Other      Pest
##      426      201      60      690
```

```
table(rdata$Lab.or.field)
```

```
##
##  Field      Lab      Mix Semi-natural
##      8      1346      6      17
```

```
table(rdata$Exposure.duration)
```

```
##
##      < 24 hours      1 to 5 days      2 to 5 days      Mix More than 5 days Natural va
##      70      19      2      17      1263
```

```
table(rdata$Life.stage.of.animal)
```

```
##
##  Adult      Egg  Embryo Juvenile  Larvae      Mix      Pupae
```

```
##      481      14      3      49      13      794      23
```

## Reproduction

Here we table the categorical fixed effect variables in the reproduction data.

```
table(rdata$Class)
```

```
##
##  Annelida Arachnida Crustacea  Insecta  Rotifera
##      2      212      40      1107      26
```

```
table(rdata$Habitat)
```

```
##
##   Aquatic      Both Terrestrial
##      66      37      1284
```

```
table(rdata$Sex.exposed)
```

```
##
##      Both      Female      Male Parthenogenetic      Unsure
##      871      310      6      197      3
```

```
table(rdata$Fertilisation.mode)
```

```
##
##   External      Internal Parthenogenic
##      2      1231      4
```

```
table(rdata$Agricultural.importance)
```

```
##
## Control agent      No      Other      Pest
##      414      218      42      713
```

```
table(rdata$Lab.or.field)
```

```
##
##   Field      Lab      Mix Semi-natural
##      8      1356      6      17
```

```
table(rdata$Exposure.duration)
```

```
##
##      < 24 hours      1 to 5 days      Mix More than 5 days Natural variation
##      86      45      22      1226      8
```

```
table(rdata$Life.stage.of.animal)
```

```
##
##   Adult      Egg      Embryo Juvenile      Larvae      Mix      Pupae
##   504      14      3      52      13      773      28
```