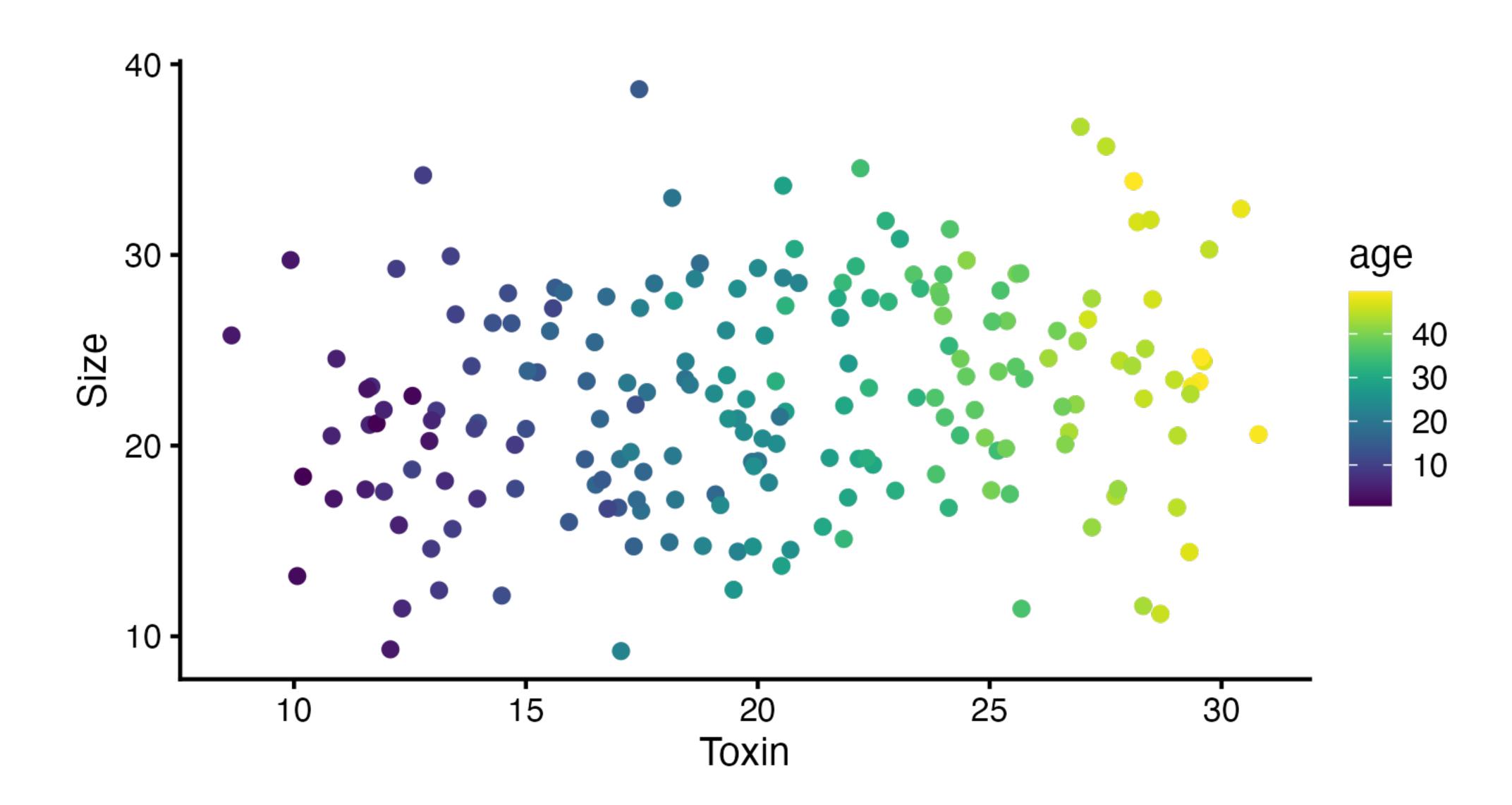
Simulated data



Center data and define model

```
df0 = df
df0$age = scale(df0$age, scale = FALSE)
df0$toxin = scale(df0$toxin, scale = FALSE)
df0$size = scale(df0$size, scale = FALSE)
```

```
size_i \sim Normal(\mu_i, \sigma)

\mu_i = a + b \times toxin_i + c \times age_i
```