

Dataset:

Sows	CM	Length of gestation interval	...
1	yes		
2	no		
3	no		
4	yes		
:	:		
N	yes		

response  
variable  
y

influence factors  
independent variables  
or predictors.

$$y = \mu + \beta_{\text{length gestation}} + \beta_{\text{intervention}} + \dots + \beta_{\text{treatment}} + e$$

Insert the ~~elements~~ information from the dataset, with that the unknown parameters  $\beta$  can be estimated

↳ R: lm(...)

- Limitation with Fixed Linear Effect Models (FLEM) is that factors cannot be "random". A FLEM contains only fixed effects, except for the random residual  $\epsilon$