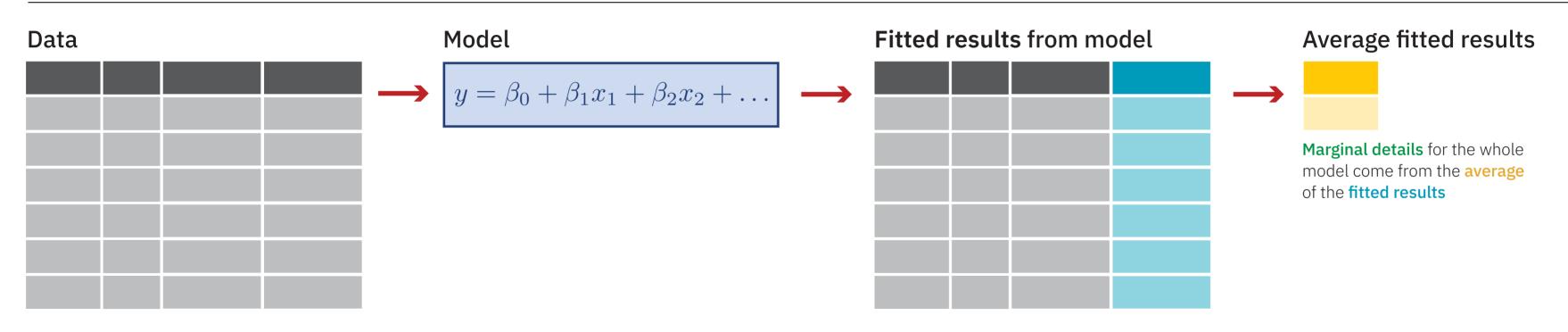
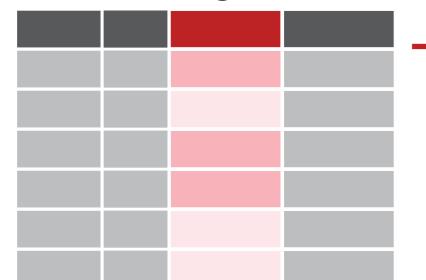
Average marginal effects (AME)



Group average marginal effects (G-AME)

Data with a categorical variable



Model

$$\longrightarrow |y = \beta_0 + \beta_1 x_1 + \beta_2 x_2 + \dots | \longrightarrow$$

Fitted results from model



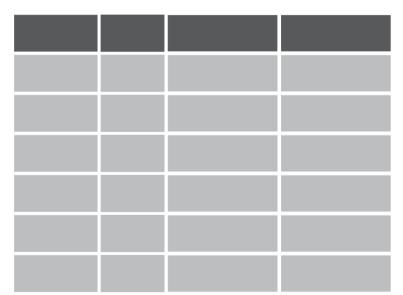
Average fitted results



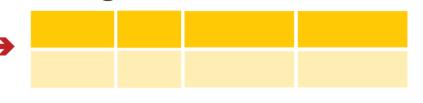
Marginal details for each group come from the average of the fitted results across each group

The data contains a categorical variable (i.e. size = c("big", "small"))





Average covariate values



All covariates are set to their typical or average values

Model

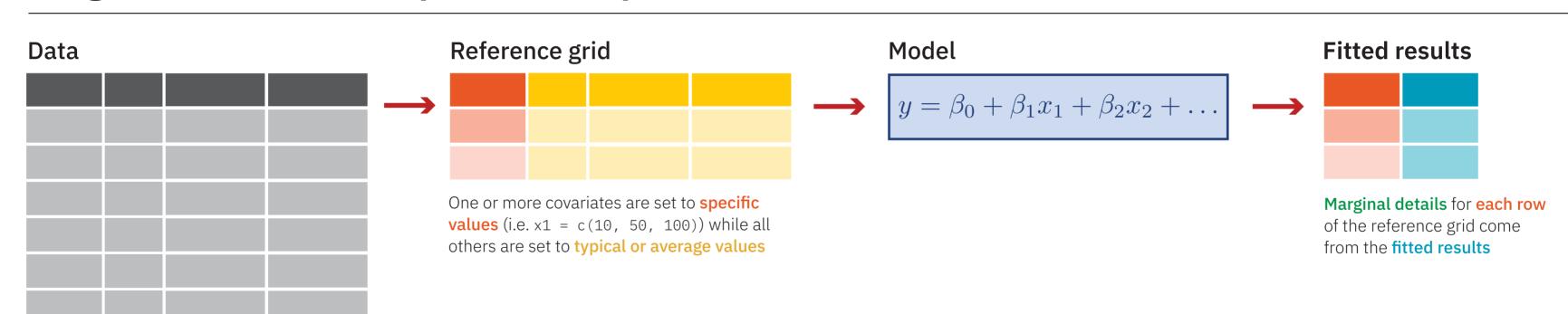
$$y = \beta_0 + \beta_1 x_1 + \beta_2 x_2 + \dots$$

Fitted results

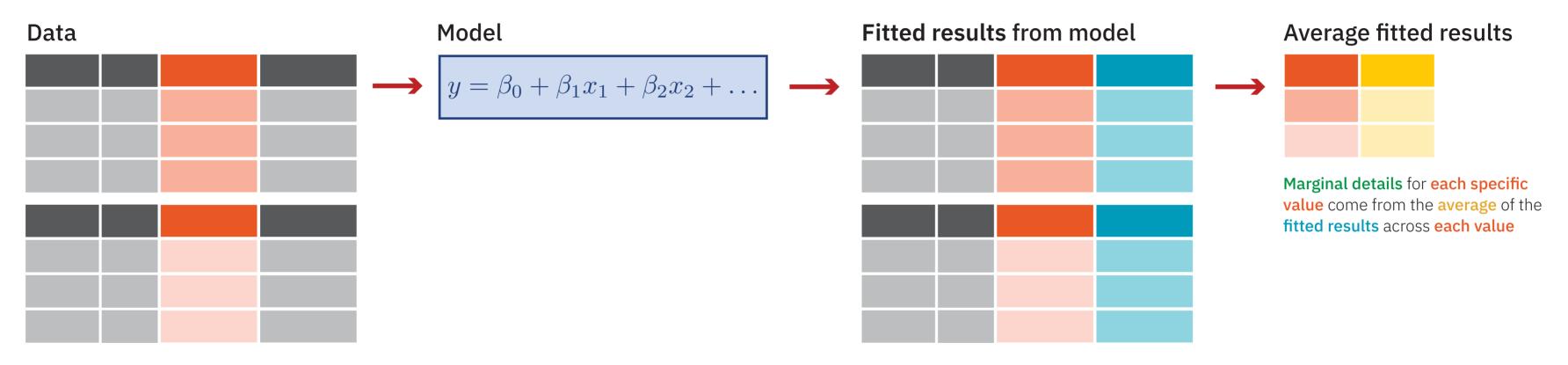


Marginal details for the whole model come from the **fitted results**

Marginal effects at user-specified or representative values (MER)

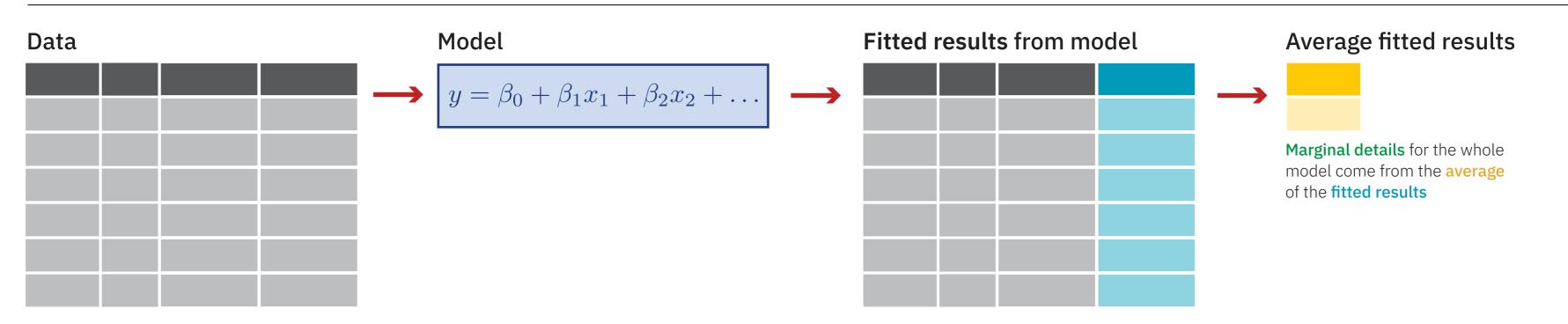


Average marginal effects at counterfactual user-specified values

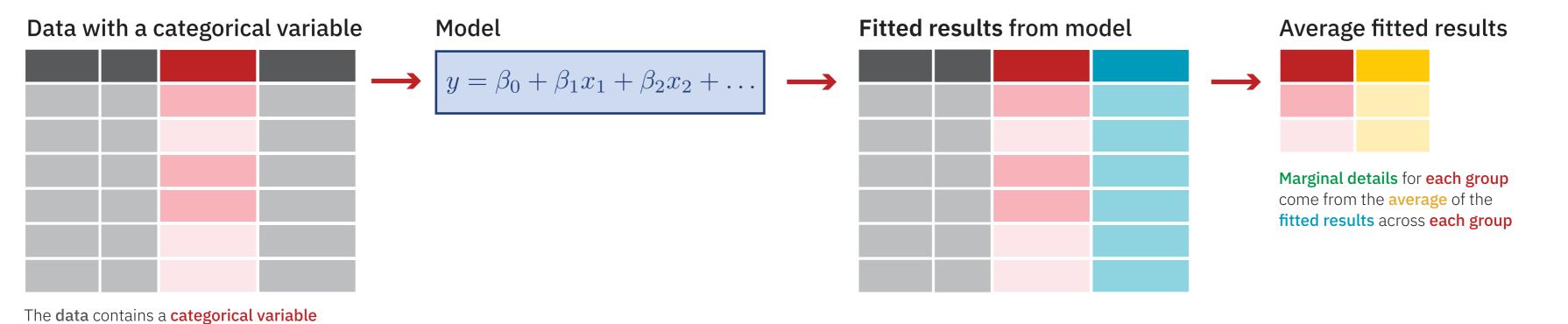


One or more covariates are set to **specific** values (i.e. x1 = c(10, 50, 100)) for an entire copy of the data while all others **remain** at their original values; multiple copies of the data are stacked on top of each other

Average marginal effects (AME)

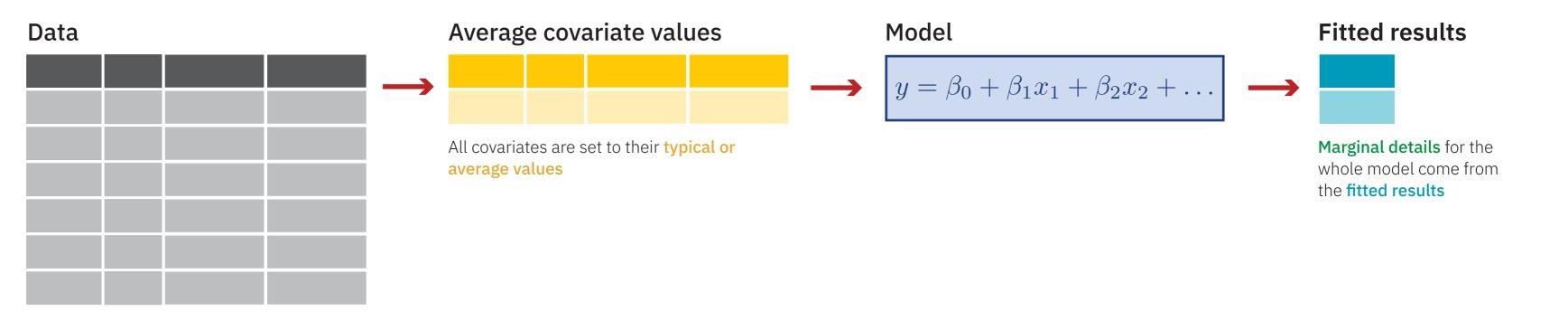


Group average marginal effects (G-AME)

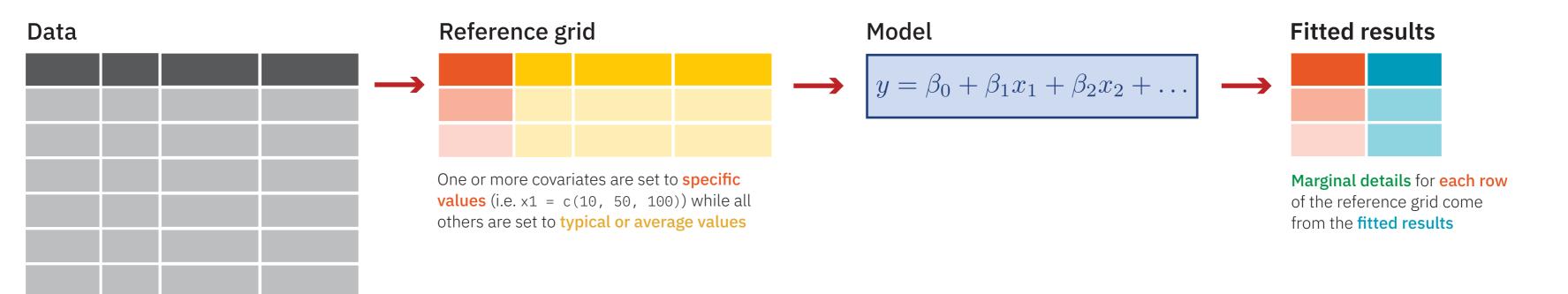


(i.e. size = c("big", "small"))

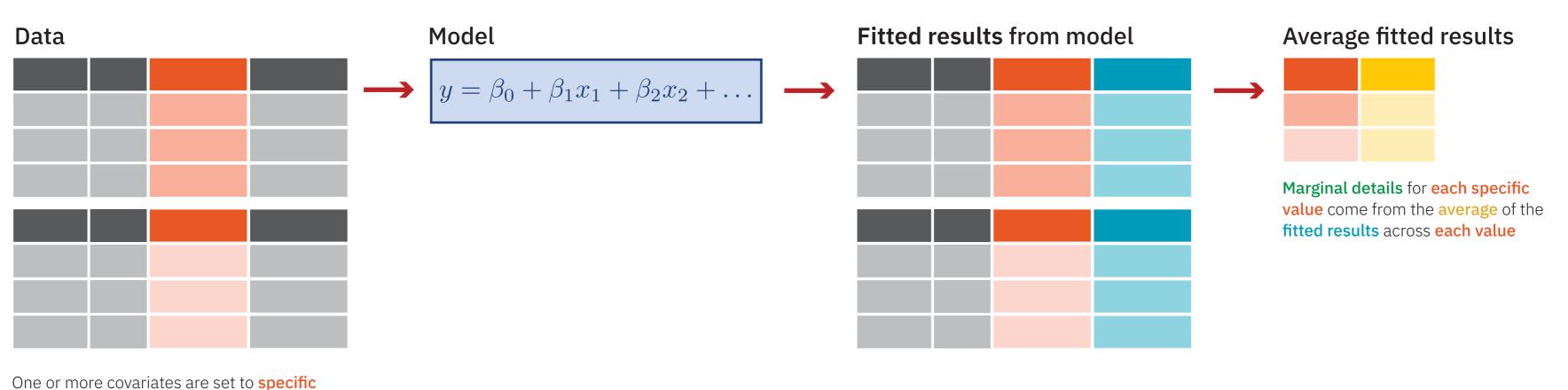
Marginal effects at the mean (MEM)



Marginal effects at user-specified or representative values (MER)



Average marginal effects at counterfactual user-specified values



values (i.e. x1 = c(10, 50, 100)) for an entire copy of the data while all others remain at their original values; multiple copies of the data are stacked on top of each other

Categorical variable



Continuous variable

Many simultaneous continuous variables



Many simultaneous categorical variables

Average marginal effects (AME)



Marginal effects at the mean (MEM)

