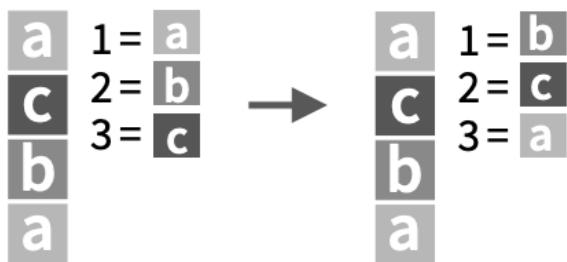


## Arguments for pivoting functions

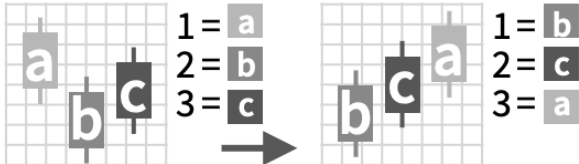
`pivot_longer(data, cols, names_to = "name", values_to = "value")`

`pivot_wider(data, names_from = "name", values_from = "value")`

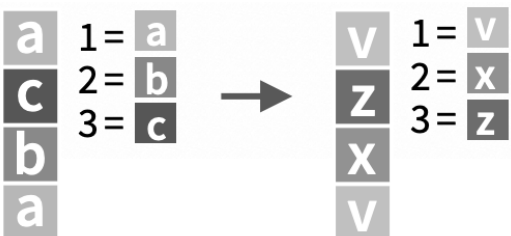
## Function reference for working with factors



**fct\_relevel(.f, ..., after = 0L)**  
Manually reorder factor levels.  
`fct_relevel(f, c("b", "c", "a"))`



**fct\_reorder(.f, .x, .fun = median, ..., .desc = FALSE)** Reorder levels by their relationship with another variable.  
`boxplot(PlantGrowth, weight ~ fct_reorder(group, weight))`



**fct\_recode(.f, ...)** Manually change levels. Also **fct\_relabel()** which obeys `purrr::map` syntax to apply a function or expression to each level.  
`fct_recode(f, v = "a", x = "b", z = "c")`  
`fct_relabel(f, ~ paste0("x", .x))`