Using knit\_expand() for templates

Yihui Xie

# Write one row of data

Only the first two sections are evaluated.

## Now i is 1

This chunk is evaluated.

## Sepal.Length Sepal.Width Petal.Length Petal.Width Species  
## 1 5.1 3.5 1.4 0.2 setosa

## Now i is 2

This chunk is evaluated.

## Sepal.Length Sepal.Width Petal.Length Petal.Width Species  
## 2 4.9 3 1.4 0.2 setosa

## Now i is 3

This chunk is not evaluated.

## Now i is 4

This chunk is not evaluated.

## Now i is 5

This chunk is not evaluated.

# A regression model on several variables

You can expand a template file, or just provide the template as a character string.

    
          
          
          
  
   ) { )

## Regression on cyl

##   
## Call:  
## lm(formula = mpg ~ cyl, data = mtcars)  
##   
## Coefficients:  
## (Intercept) cyl   
## 37.885 -2.876

## Regression on disp

##   
## Call:  
## lm(formula = mpg ~ disp, data = mtcars)  
##   
## Coefficients:  
## (Intercept) disp   
## 29.59985 -0.04122

## Regression on hp

##   
## Call:  
## lm(formula = mpg ~ hp, data = mtcars)  
##   
## Coefficients:  
## (Intercept) hp   
## 30.09886 -0.06823

## Regression on drat

##   
## Call:  
## lm(formula = mpg ~ drat, data = mtcars)  
##   
## Coefficients:  
## (Intercept) drat   
## -7.525 7.678

## Regression on wt

##   
## Call:  
## lm(formula = mpg ~ wt, data = mtcars)  
##   
## Coefficients:  
## (Intercept) wt   
## 37.285 -5.344

## Regression on qsec

##   
## Call:  
## lm(formula = mpg ~ qsec, data = mtcars)  
##   
## Coefficients:  
## (Intercept) qsec   
## -5.114 1.412

## Regression on vs

##   
## Call:  
## lm(formula = mpg ~ vs, data = mtcars)  
##   
## Coefficients:  
## (Intercept) vs   
## 16.62 7.94

## Regression on am

##   
## Call:  
## lm(formula = mpg ~ am, data = mtcars)  
##   
## Coefficients:  
## (Intercept) am   
## 17.147 7.245

## Regression on gear

##   
## Call:  
## lm(formula = mpg ~ gear, data = mtcars)  
##   
## Coefficients:  
## (Intercept) gear   
## 5.623 3.923

## Regression on carb

##   
## Call:  
## lm(formula = mpg ~ carb, data = mtcars)  
##   
## Coefficients:  
## (Intercept) carb   
## 25.872 -2.056

# Multiple variables

The value of a is 1 and b is 2.

The value of a is 5 and b is 2013.