## a pipe passes its input to the first argument of the following function

function(object) | is equivalent to | object %>% function

## Given functions f1() and f2():

 $f1 \leftarrow function(data, argA=0)$ 

 $f2 \leftarrow function(data, argB=1)$ 

## regular

## with pipes

 $y \leftarrow x \% > \% \mathbf{f1}$ 

 $y \leftarrow f1(x)$ 

$$y \leftarrow \mathbf{f1}(x)$$

$$y \leftarrow \mathbf{f1}(x, \text{argA=3}) \mid y \leftarrow x \% > \% \mathbf{f1}(\text{argA=3})$$

$$y \leftarrow f2(f1(x, argA=3), argB=2)$$

$$y \leftarrow x \% > \% \mathbf{f1}(argA=3) > \% > \mathbf{f2}(argB=2)$$

$$y \leftarrow f1(x, argA=3)$$
  
 $y \leftarrow f2(y, argB=2)$ 

$$y \leftarrow f2(y, argB=2)$$