

YOUR TURN!

Going back to the rescale function add conditional statements to check and provide appropriate errors or messages for:

- *making sure **x** input is a numeric vector*
- **digits** *input is a numeric vector of one element*
- **na.rm** *input is a single logical input*

SOLUTION

```
rescale <- function(x, digits = 2, na.rm = TRUE){  
  # ensure argument inputs are valid  
  if(!is.numeric(x)) {  
    stop('x must be an atomic numeric vector')  
  }  
  if(!is.numeric(digits) | length(digits) > 1) {  
    stop('digits must be a numeric vector of one element')  
  }  
  if(!is.logical(na.rm)) {  
    stop('na.rm must be logical input (TRUE or FALSE)')  
  }  
  
  if(isTRUE(na.rm)) x <- x[!is.na(x)]  
  rng <- range(x)  
  scaled <- (x - rng[1]) / (rng[2] - rng[1])  
  round(scaled, digits = digits)  
}
```



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  if(!is.numeric(digits) | length(digits) > 1) {  
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element')  
  }  
  if(!is.logical(na.rm)) {  
    stop('na.rm must be logical input (TRUE or  
FALSE)')  
  }  
}
```