intro\_to\_r\_mkdwn

KARIITHI

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# Transpose data : to long column  
calf\_tests <- ideal3 |>  
 select(CalfID, ManualPCV, Theileria.spp., ELISA\_mutans, ELISA\_parva, Q.Strongyle.eggs) |>  
 pivot\_longer(c( ManualPCV, Theileria.spp., ELISA\_mutans, ELISA\_parva, Q.Strongyle.eggs),names\_to = "Tests", values\_to = "Results") |>  
 group\_by(Tests, Results)|>  
 summarise(count = n()) |>  
 na.omit()|>  
 ungroup()|>  
   
 # find the percentages of the counts with reference to the total number of +ves and -ves  
 group\_by(Tests)|>  
   
 #create a new column called total to get the sum of the counts  
 mutate(Total = sum(count))|>  
 ungroup() |>  
   
 # we divide the count and total. To find the percentage and put it in a new column called Proportion  
 #Add round to the nearest whole number  
 mutate(Proportion = round(count / Total \* 100))

## `summarise()` has grouped output by 'Tests'. You can override using the  
## `.groups` argument.

ggplot(calf\_tests, aes(x = Proportion, y=Tests, fill = Results)) + geom\_col()

