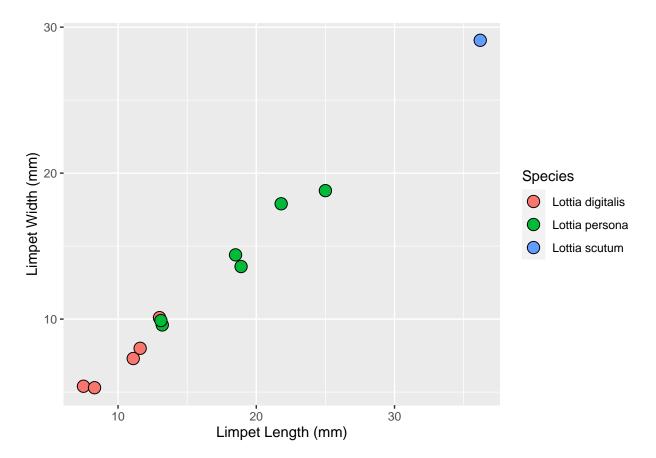
Species_ID_Figures

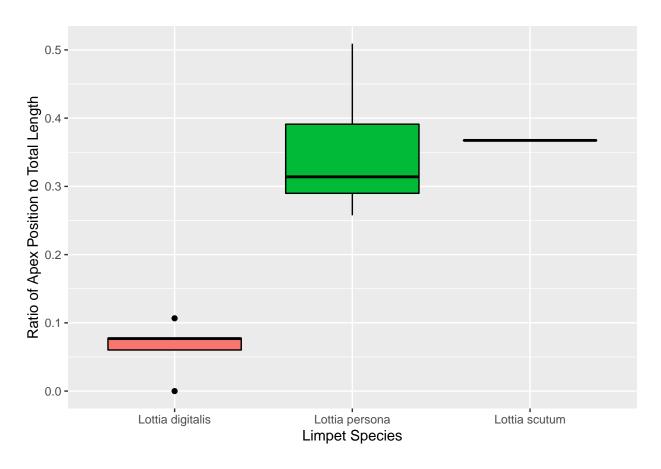
Andrew

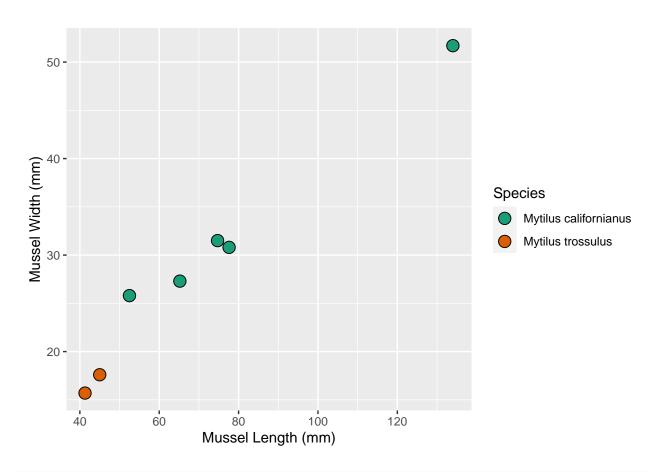
16/10/2021

```
library(tidyverse)
## Warning: package 'tidyverse' was built under R version 4.0.5
## -- Attaching packages ------ tidyverse 1.3.1 --
## v ggplot2 3.3.3
                   v purrr
                              0.3.4
## v tibble 3.1.4
                    v dplyr 1.0.7
## v tidyr 1.1.3
                    v stringr 1.4.0
## v readr 1.4.0
                   v forcats 0.5.1
## Warning: package 'tibble' was built under R version 4.0.5
## Warning: package 'tidyr' was built under R version 4.0.5
## Warning: package 'dplyr' was built under R version 4.0.5
## -- Conflicts ----- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag() masks stats::lag()
ID_data <- read_csv('Species_ID_Measurements.csv')</pre>
##
## -- Column specification -------
## cols(
##
    Species = col_character(),
    Length_mm = col_double(),
##
##
    Width_mm = col_double(),
    Height_mm = col_double(),
##
    Apex_mm = col_double()
## )
limpets <- ID_data %>% filter( Species == 'Lottia digitalis' | Species == 'Lottia persona' |
                              Species == "Lottia scutum") %>% mutate(Apex_ratio = Apex_mm / Length_m
mussels <-ID_data %>% select(!c(Apex_mm)) %>% filter(Species == 'Mytilus trossulus' |
                                                  Species == 'Mytilus californianus') %>%
 mutate(Height_Width_ratio = Height_mm / Width_mm)
```



```
limpet_plot_2 <- ggplot(data = limpets) + geom_boxplot(aes(x = Species, y = Apex_ratio, fill = Species)
    scale_color_grey() + theme_grey()+ labs(x = "Limpet Species", y = "Ratio of Apex Position to Total Le
limpet_plot_2</pre>
```





```
mussel_plot_2 <- ggplot(data = mussels) + geom_boxplot(aes(x = Species, y = Height_Width_ratio, fill = s
    scale_color_grey() + theme_grey()+ scale_fill_brewer(palette="Dark2")+ labs(x = "Mussel Species", y = mussel_plot_2</pre>
```

