Task7

2025-09-30

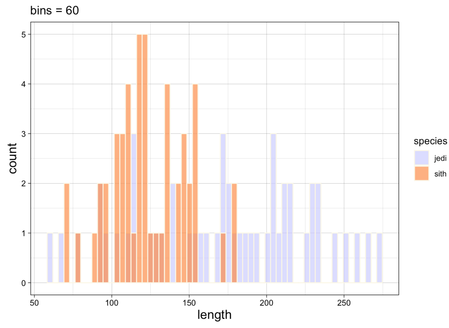
```
#install.packages("remotes")
library(remotes)
library(ggplot2)
library(dplyr)
```

```
##
## Attaching package: 'dplyr'
```

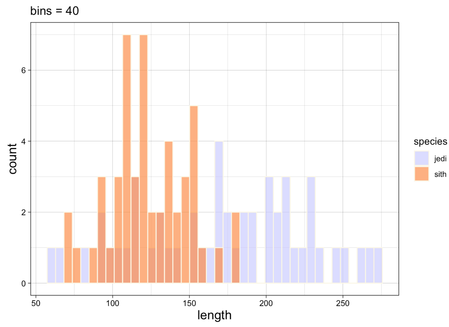
```
## The following objects are masked from 'package:stats':
##
##     filter, lag
```

```
## The following objects are masked from 'package:base':
##
##     intersect, setdiff, setequal, union
```

```
Magic_data <-read.csv('magic_guys.csv', header = TRUE)
#View(Magic_data)
Magic_data_p <- ggplot(Magic_data)+
  geom_histogram(data = Magic_data, aes(x = length, fill = species), bins = 60,
                 alpha = 0.7, color="#FCF8E8", position = 'identity')+
  scale_fill_manual(values=c("#CCCCFF", "#FD9040")) +
  theme_linedraw()+
  theme(axis.title.x = element_text(size = 14, family = "Arial"),
        axis.title.y = element_text(size = 14, family = "Arial"),
        axis.text.x = element_text(size = 9, family = "Arial"),
        axis.text.y = element_text(size = 9, family = "Arial"))+
  ggtitle("bins = 60")

Magic_data_p
```




```
library(remotes)
library(ggplot2)
library(dplyr)

Magic_data <-read.csv('magic_guys.csv', header = TRUE)
#View(Magic_data)
Magic_data_p <- ggplot(Magic_data)+
  geom_histogram(data = Magic_data, aes(x = length, fill = species), bins = 40,
                 alpha = 0.7, color="#FCF8E8", position = 'identity')+
  scale_fill_manual(values=c("#CCCCFF", "#FD9040")) +
  theme_linedraw()+
  theme(axis.title.x = element_text(size = 14, family = "Arial"),
        axis.title.y = element_text(size = 14, family = "Arial"),
        axis.text.x = element_text(size = 9, family = "Arial"),
        axis.text.y = element_text(size = 9, family = "Arial"))+
  ggtitle("bins = 40")

Magic_data_p
```

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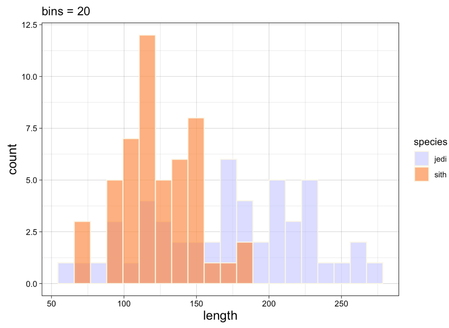
Magic_data <-read.csv('magic_guys.csv', header = TRUE)
#View(Magic_data)
Magic_data_p <- ggplot(Magic_data)+
  geom_histogram(data = Magic_data, aes(x = length, fill = species), bins = 20,
                 alpha = 0.7, color="#FCF8E8", position = 'identity')+
  scale_fill_manual(values=c("#CCCCFF", "#FD9040")) +
  theme_linedraw()+
  theme(axis.title.x = element_text(size = 14, family = "Arial"),
        axis.title.y = element_text(size = 14, family = "Arial"),
        axis.text.x = element_text(size = 9, family = "Arial"),
        axis.text.y = element_text(size = 9, family = "Arial"))+
  ggtitle("bins = 20")

Magic_data_p
```

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Magic_data <-read.csv('magic_guys.csv', header = TRUE)
#View(Magic_data)
Magic_data_p <- ggplot(Magic_data)+
  geom_histogram(data = Magic_data, aes(x = length, fill = species), bins = 60,
                 alpha = 0.7, color="black", position = 'identity')+
  facet_grid(species ~ .)+
  scale_fill_manual(values=c("#CCCCFF", "#FD9040")) +
  theme_linedraw()+
  theme(axis.title.x = element_text(size = 14, family = "Arial"),
        axis.title.y = element_text(size = 14, family = "Arial"),
        axis.text.x = element_text(size = 9, family = "Arial"),
        axis.text.y = element_text(size = 9, family = "Arial"),
        strip.background = element_rect(fill = "#FCF8E8"),
        strip.text = element_text(size = 8, family = "Arial", face = "bold", colour = "black"))+
  ggtitle("bins = 60")

Magic_data_p
```