

test

2022-10-05

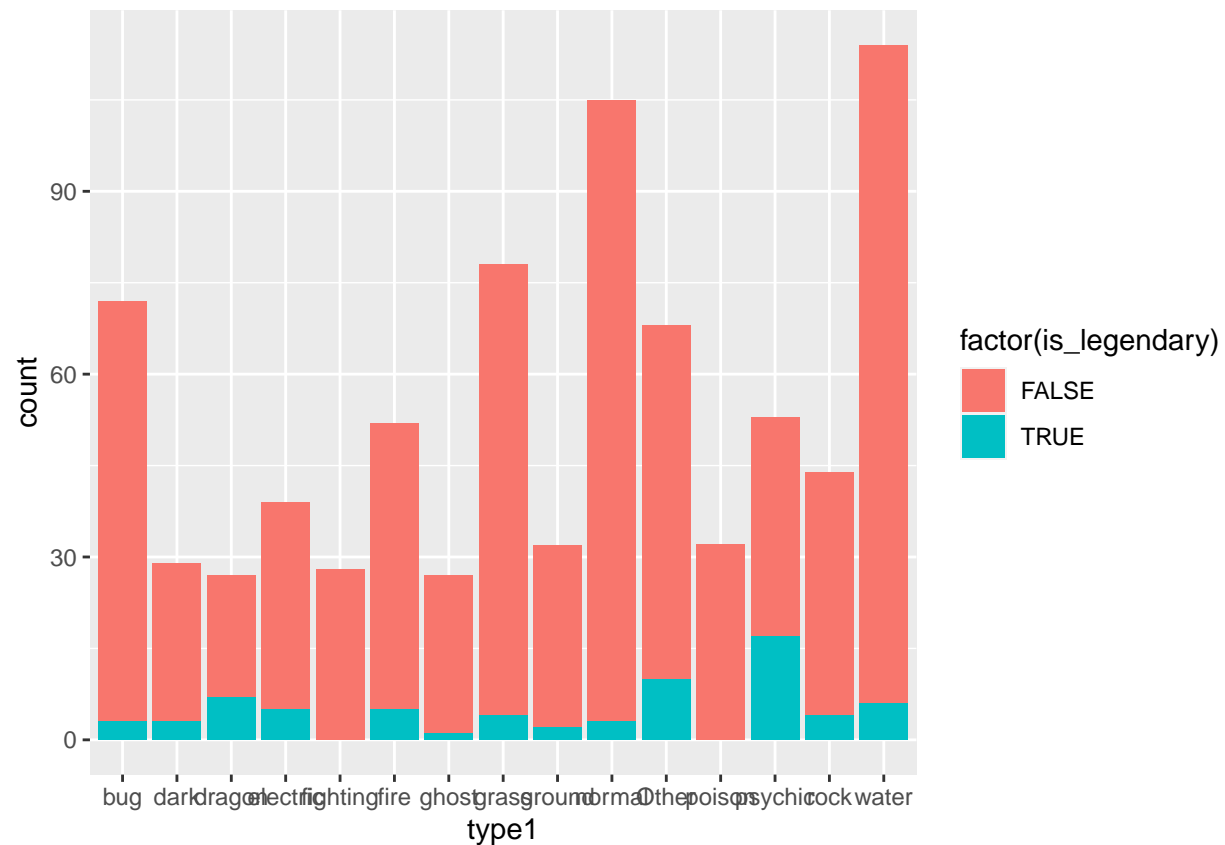
```
pokemon <- read.csv("cleaned_pokemon.csv")
```

```
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
```

```
library(ggplot2)
```

```
pokemon %>%  
  ggplot(aes(type1, fill = factor(is_legendary))) +  
  geom_bar()
```



```
library(treemap)

# Build Dataset
#group <- pokemon$type1
#subgroup <- pokemon$type2
#value <- data.frame(table(pokemon$type1))
#data <- data.frame(group, subgroup, value)

# treemap
#treemap(value,
#         # index=names(value),
#         #vSize="Freq",
#         # type="index",
#         #palette="Set1"
#         # )
```

```
pokemon %>%
  select_if(is.numeric) %>%
  {
    data.frame(
      col_name = names(.),
      mean = apply(., 2, mean, na.rm = TRUE),
      std_dev = apply(., 2, sd, na.rm = TRUE)
    )
  } %>%
  mutate(
    mean = round(mean, 2),
    std_dev = round(std_dev, 2)
  ) %>%
  knitr::kable(
    row.names = FALSE,
    col.names = c("Column Name", "Mean", "Standard Deviation")
  )
```

Column Name	Mean	Standard Deviation
attack	77.83	32.17
base_egg_steps	7192.00	6562.26
base_happiness	65.36	19.61
capture_rate	98.76	76.26
defense	73.03	30.78
experience_growth	1054989.82	160356.00
height_m	1.17	1.08
hp	68.97	26.59
percentage_male	55.16	20.26
sp_attack	71.27	32.36
sp_defense	70.92	27.96
speed	66.27	28.86
weight_kg	61.41	109.42
generation	3.69	1.93

Variable	Mean	Standard Deviation
capture rate	98.76125	76.2578246
attack	77.83	32.1693905
defense	73.025	30.7849641
hp	68.97	26.590749
height	1.165	1.0805757
weight	61.4055128	109.4222483
speed	66.2675	28.8632951