

Demonstration of Michigan Colors for R Graphs

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1 Installation

You will need to install devtools if you have not already done so:

```
install.packages("devtools")
```

Then use devtools to install michigancolors.

```
devtools::install_github("agrogan1/michigancolors")
```

2 Usage

```
library(michigancolors)
```

3 Allowable Colors

Colors are drawn from <https://brand.umich.edu/design-resources/colors/>.

Allowable colors are: "blue", "maize", "tappan red", "ross school orange", "wave field green", "taubman teal", "arboretum blue", "ann arbor amethyst", "matthaei violet", "umma tan", "burton tower beige", "angell hall ash", and "law quad stone"

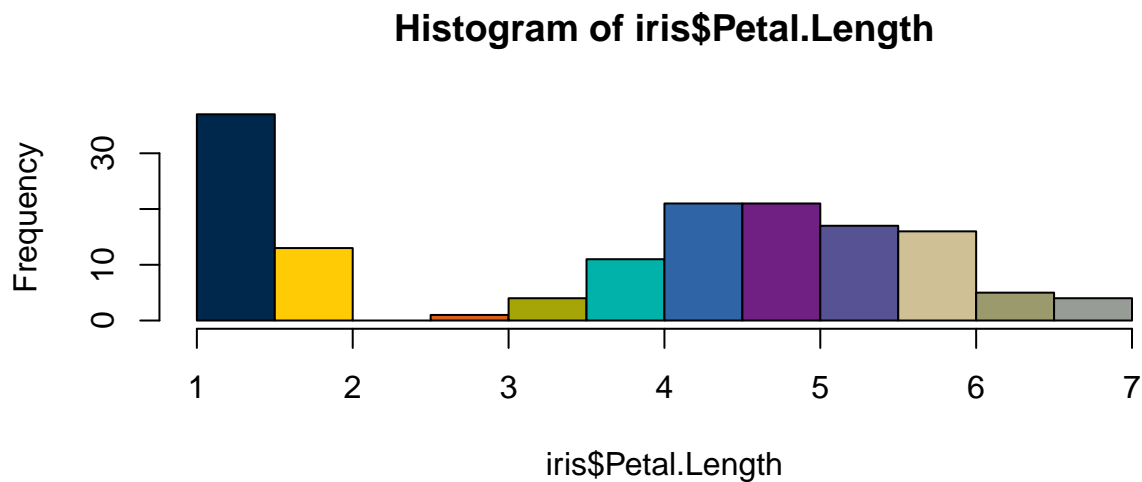
4 Help

```
help(michigancolors)
```

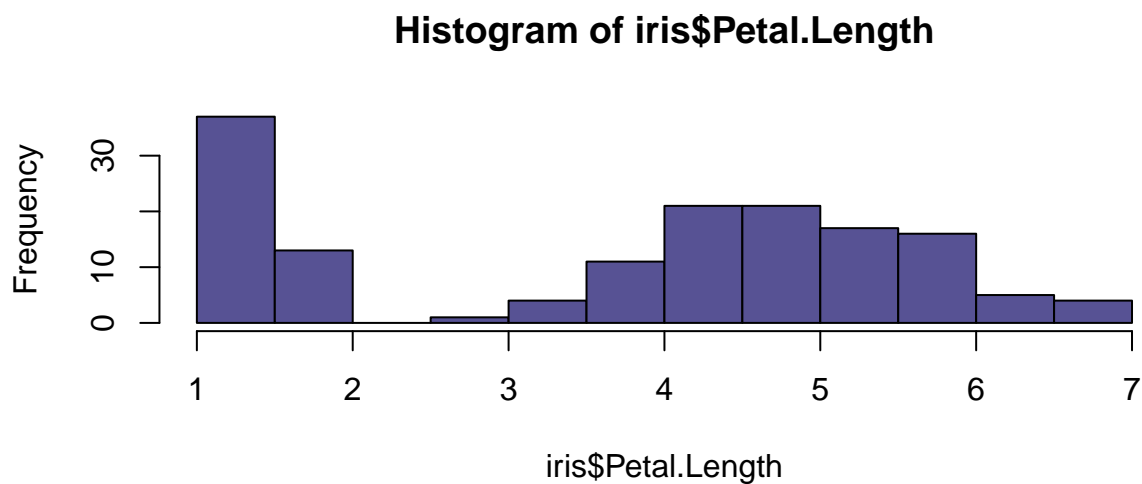
5 Examples

5.1 Base R

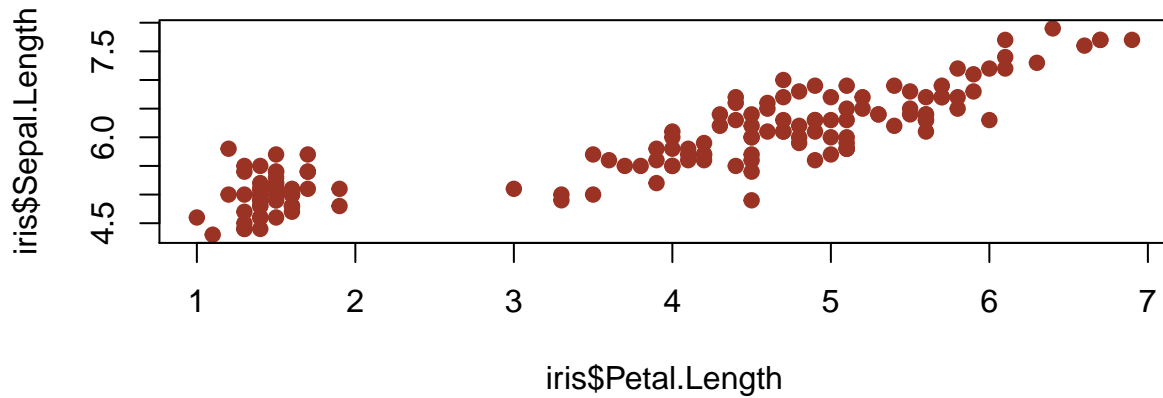
```
hist(iris$Petal.Length, col = michigancolors())
```



```
hist(iris$Petal.Length, col = michigancolors("matthaei violet"))
```

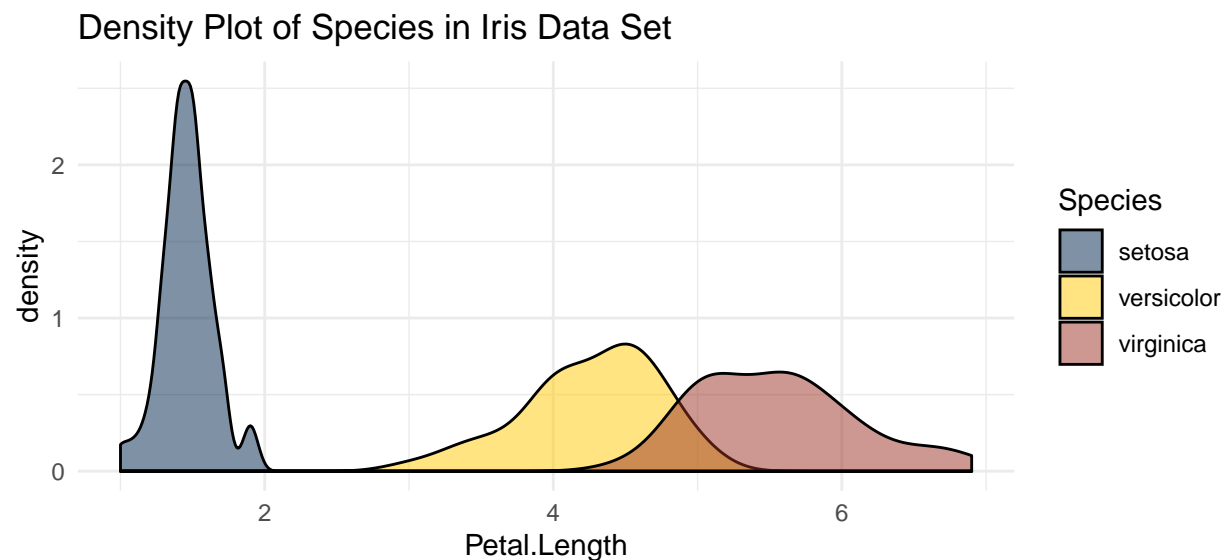


```
plot(iris$Petal.Length,
     iris$Sepal.Length,
     pch = 19,
     col = michigancolors("tappan red"))
```



5.2 ggplot2

```
library(ggplot2)
ggplot(iris,
       aes(x = Petal.Length,
           fill = Species)) +
  geom_density(alpha = .5) +
  ggtitle("Density Plot of Species in Iris Data Set") +
  theme_minimal() +
  scale_fill_manual(values = michigancolors())
```



```
ggplot(iris,
      aes(x = Petal.Length,
          y = Sepal.Length,
          color = Species)) +
  geom_point() +
  geom_smooth() +
  ggtitle("Scatterplot of Iris Data Set") +
  theme_minimal() +
  scale_color_manual(values = michigancolors())
```

