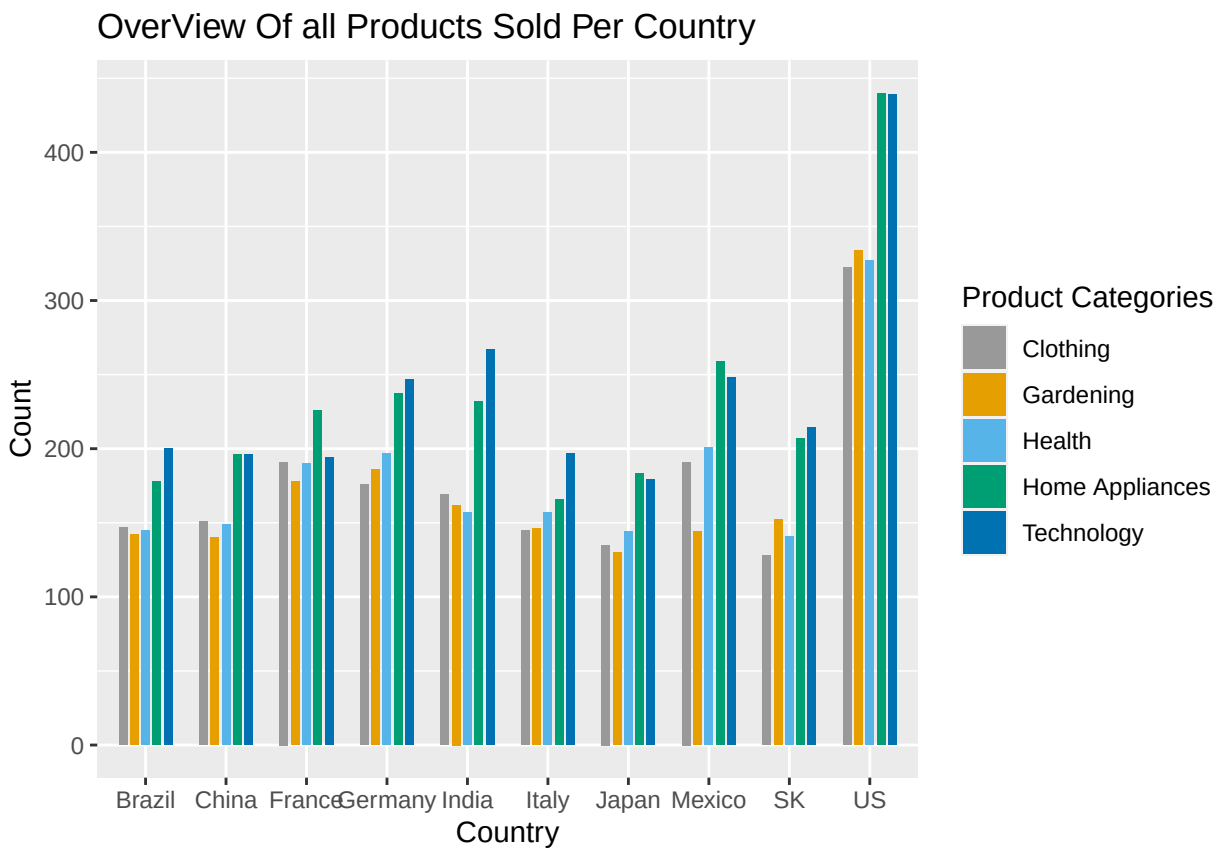
Project2Visual

Group3

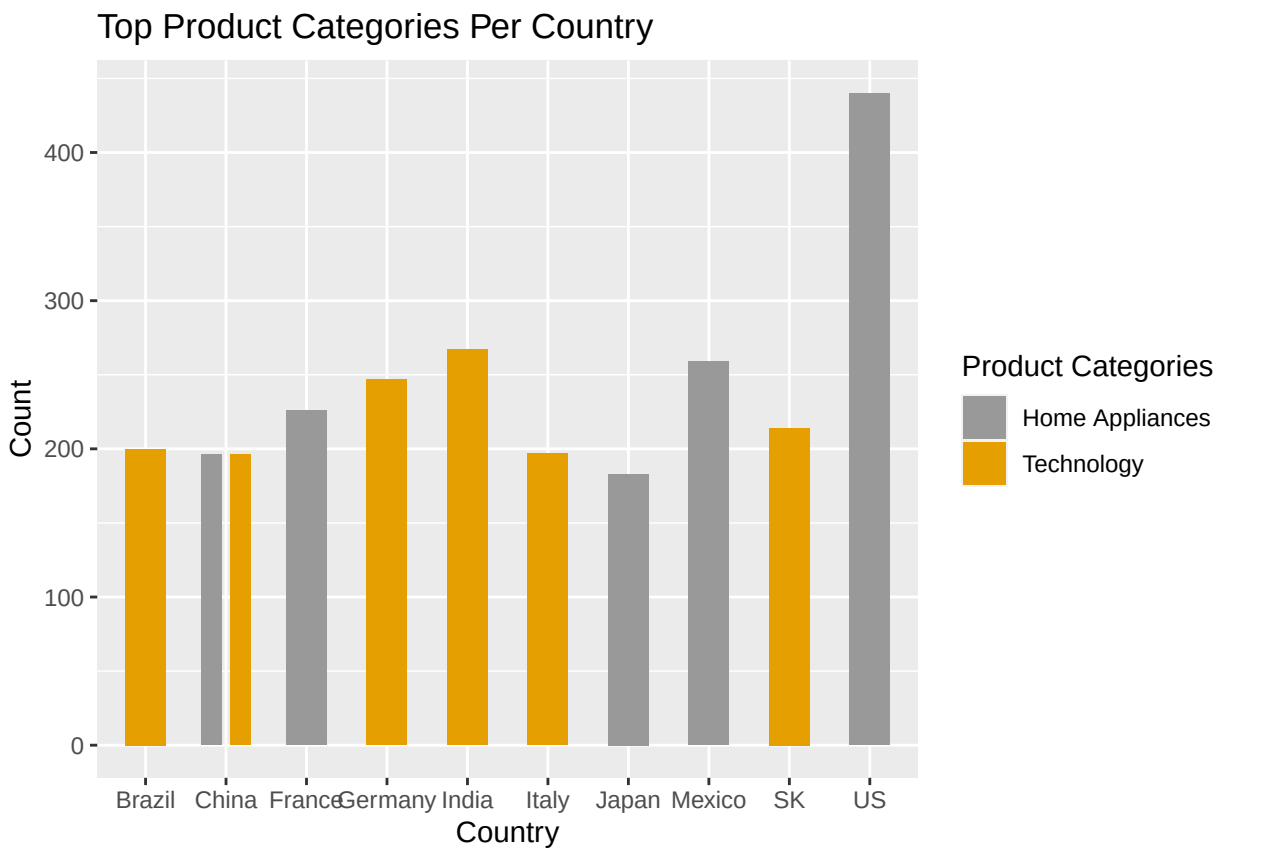
2022-05-25

```
knitr::opts_chunk$set(echo = FALSE)

library(ggplot2)
mydata<-read.csv("/Users/jodimitchell/updatedFinal.csv", header=TRUE)

### Question 1 ###
ggplot(mydata, aes(COUNTRY, fill = PRODUCT_CAT))+
  scale_fill_manual(name = "Product Categories", values=c("#999999", "#E69F00", "#56B4E9", "#009E73", "#
  geom_bar(width = 0.5,position = position_dodge(0.7))+
  ggtitle("OverView Of all Products Sold Per Country")+
  scale_x_discrete("Country", labels = c("South Korea" = "SK", "United States" = "US"))+
  ylab("Count")+
  labs()
```




```
topCat <- read.csv("/Users/jodimitchell/project2/answer1/topCategory.csv", header=TRUE)
ggplot(topCat, aes(x= COUNTRY, y = MAXCOUNT, fill= PRODUCT_CAT))+
```

```
  scale_fill_manual(name = "Product Categories", values=c("#999999", "#E69F00", "#56B4E9", "#009E73", "#
  geom_bar(width = 0.5, stat='identity', position = position_dodge(0.7))+
  ggtitle("Top Product Categories Per Country")+
  scale_x_discrete("Country", labels = c("South Korea" = "SK", "United States" = "US"))+
  ylab("Count")+
  labs()
```




```
library(dplyr)
```

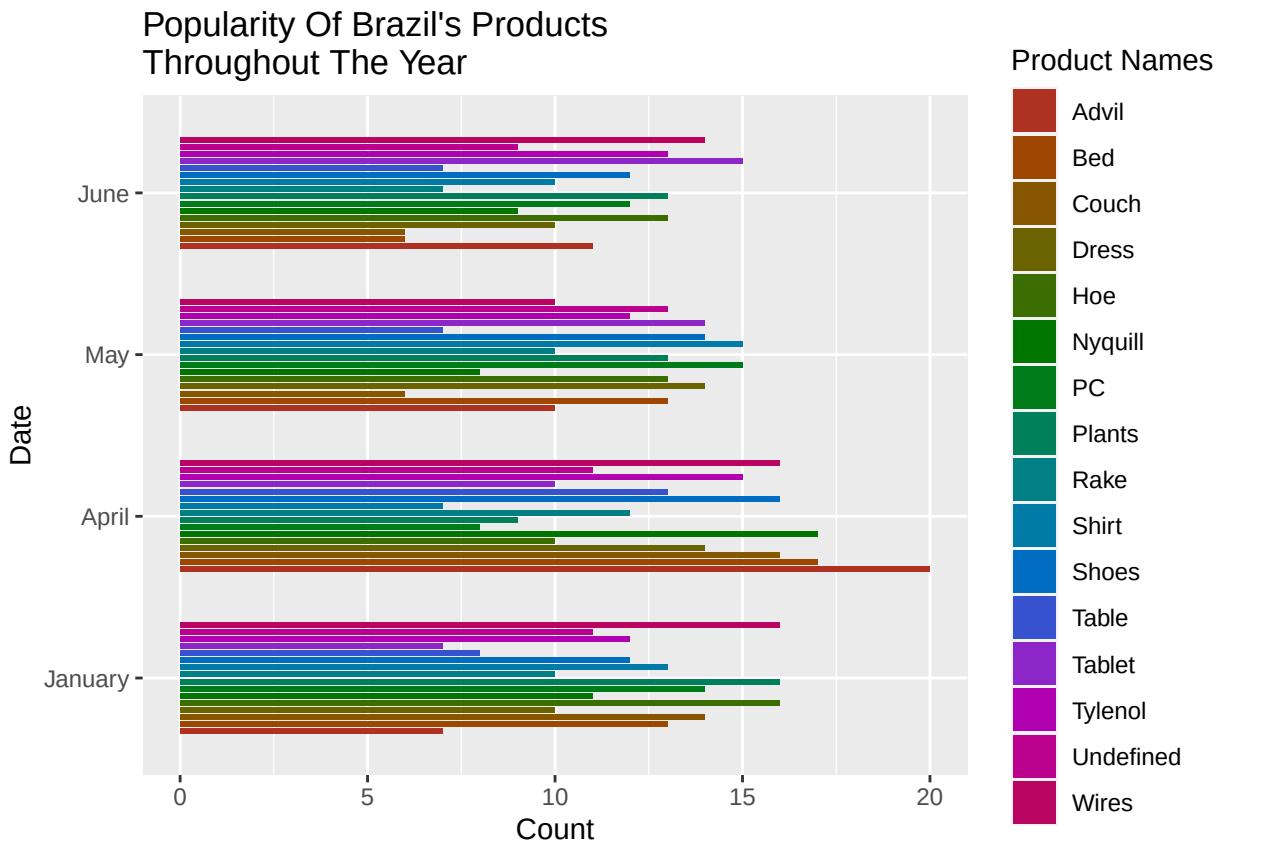
```
##
## Attaching package: 'dplyr'
```

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

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

```
### Question 2 ###
popProduct <- read.csv("/Users/jodimitchell/popProduct.csv", header=TRUE)

## All products for Brazil

brazilP<- popProduct %>% filter(COUNTRY == 'Brazil')
ggplot(brazilP, aes(y = DATETIME,x= PCOUNT,fill = PRODUCT_NAME))+
  scale_fill_hue(name= 'Product Names',l=40)+
  geom_bar(width = 0.5, position = position_dodge(0.7), stat='identity')+
```

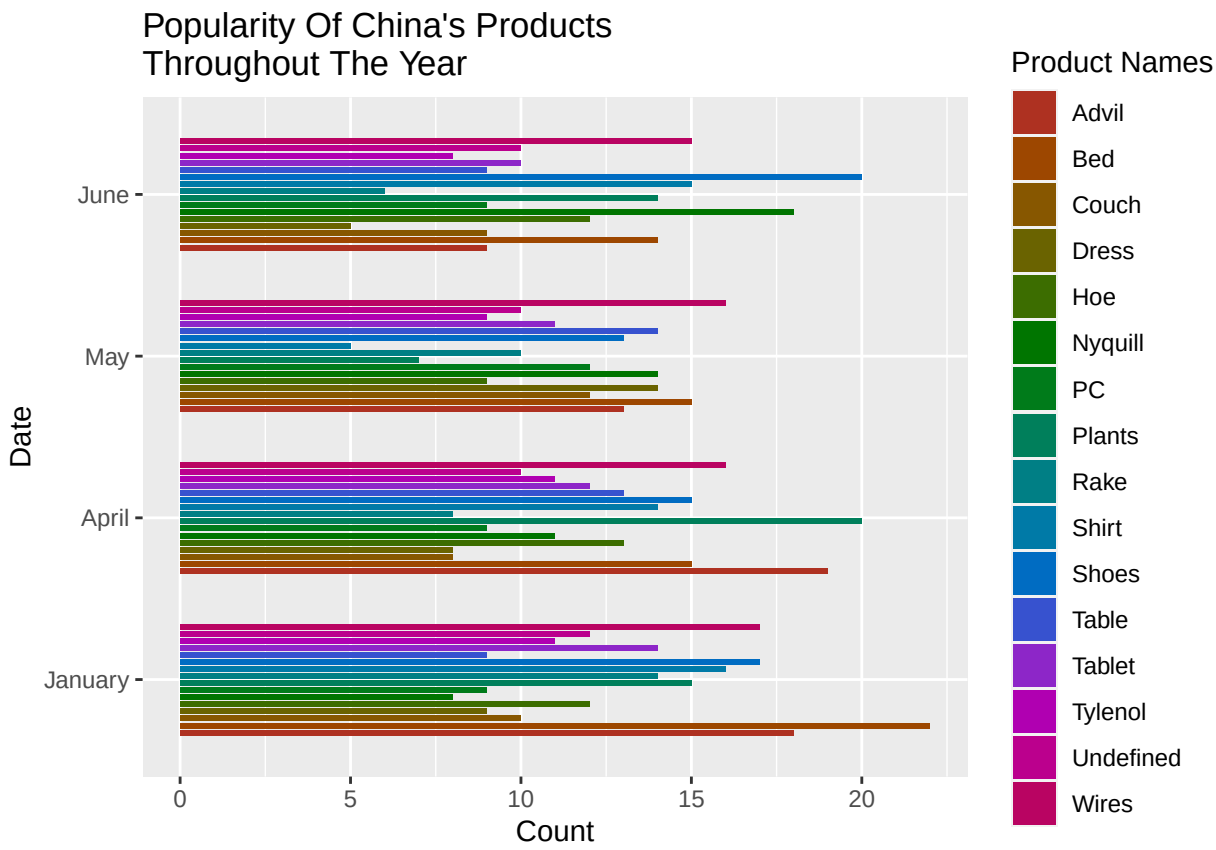
```
  scale_y_discrete("Date", labels = c("2022-06-23 05:15" = "June", "2022-05-18 02:33" = "May","2022-04-
  ggtitle("Popularity Of Brazil's Products\nThroughout The Year")+
  ylab("Date")+
  xlab("Count")
```




```
  labs()
```

```
## named list()
## attr(,"class")
## [1] "labels"
```

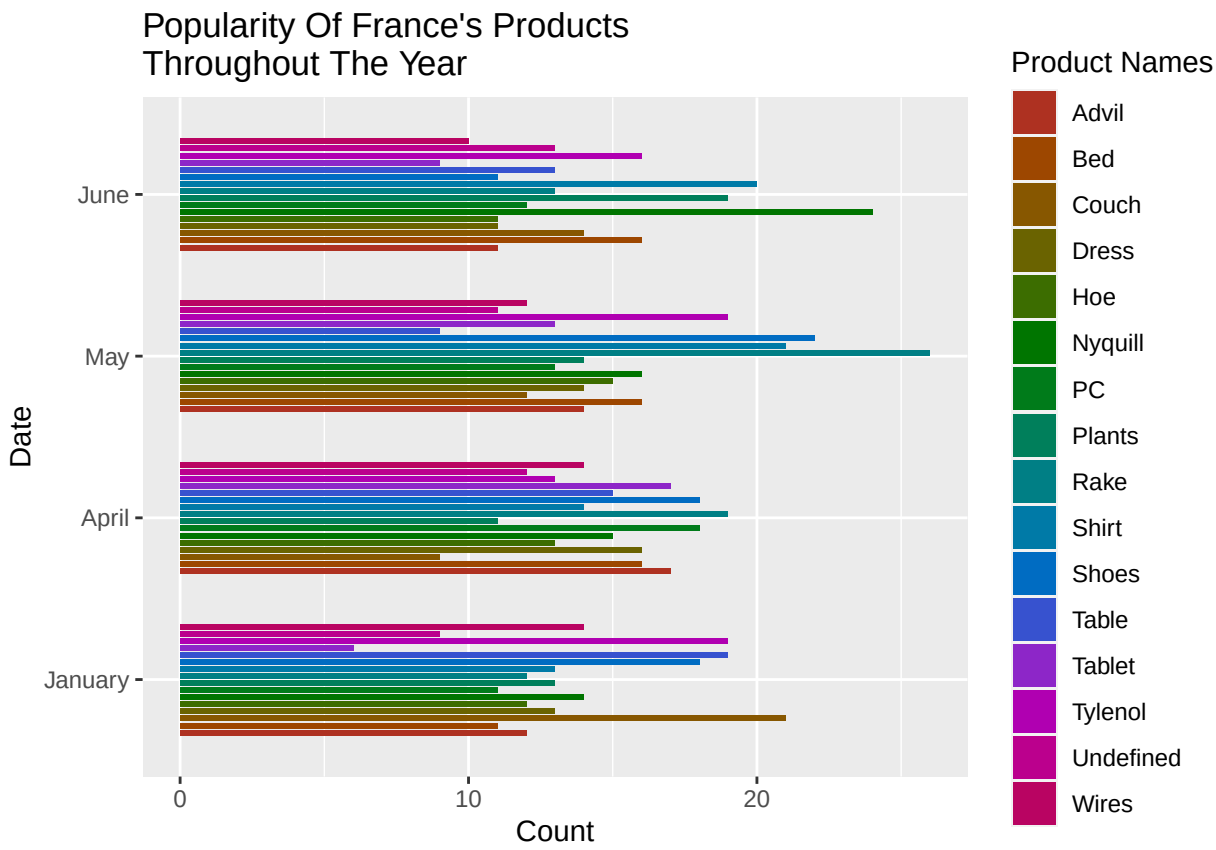
```
## All products for China
chinaP<- popProduct %>% filter(COUNTRY == 'China')
ggplot(chinaP, aes(y = DATETIME,x= PCOUNT,fill = PRODUCT_NAME))+
  scale_fill_hue(name= 'Product Names',l=40)+
  geom_bar(width = 0.5, position = position_dodge(0.7), stat='identity')+
  scale_y_discrete("Date", labels = c("2022-06-23 05:15" = "June", "2022-05-18 02:33" = "May","2022-04-
  ggtitle("Popularity Of China's Products\nThroughout The Year")+
  ylab("Date")+
  xlab("Count")
```




```
  labs()
```

```
## named list()
## attr(,"class")
## [1] "labels"
```

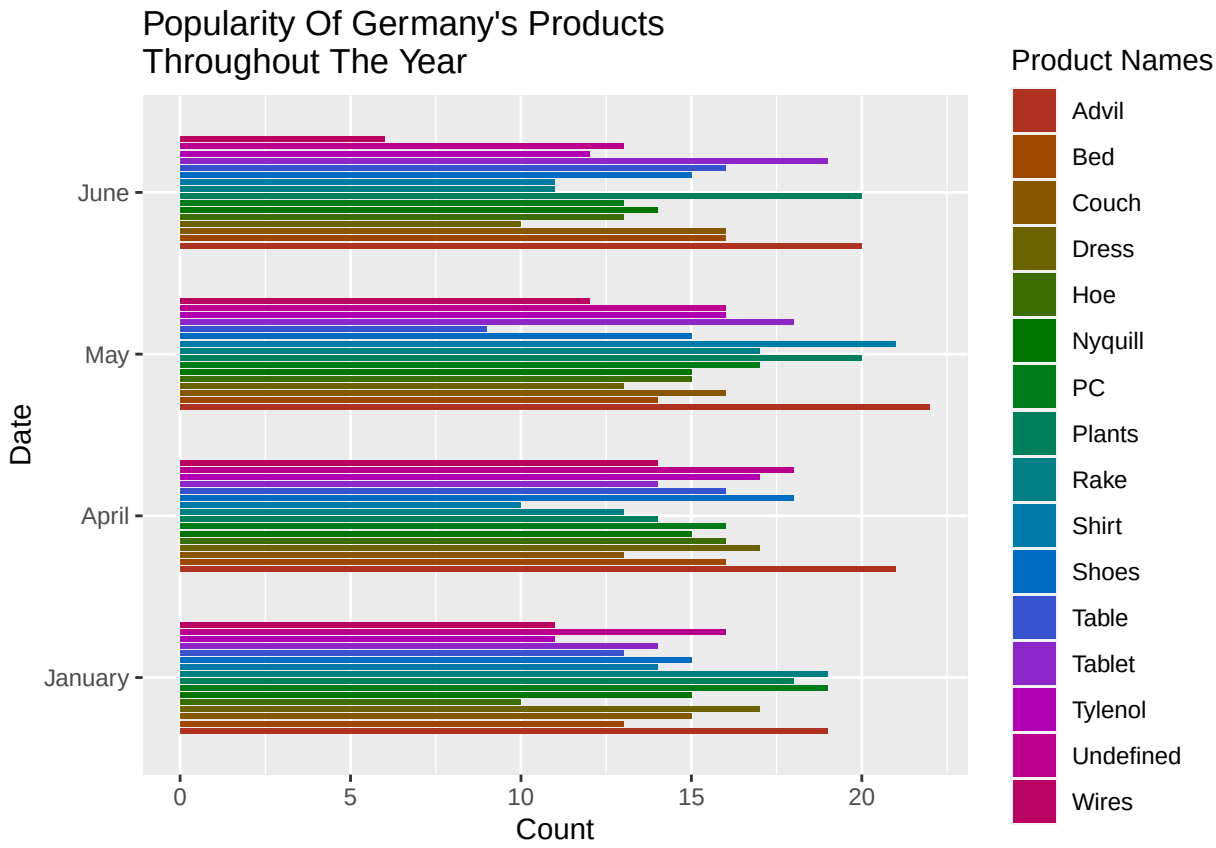
```
## All products for France
franceP<- popProduct %>% filter(COUNTRY == 'France')
ggplot(franceP, aes(y = DATETIME,x= PCOUNT,fill = PRODUCT_NAME))+
  scale_fill_hue(name= 'Product Names',l=40)+
  geom_bar(width = 0.5, position = position_dodge(0.7), stat='identity')+
  scale_y_discrete("Date", labels = c("2022-06-23 05:15" = "June", "2022-05-18 02:33" = "May","2022-04-
  ggtitle("Popularity Of France's Products\nThroughout The Year")+
  ylab("Date")+
  xlab("Count")
```




```
  labs()
```

```
## named list()
## attr(,"class")
## [1] "labels"
```

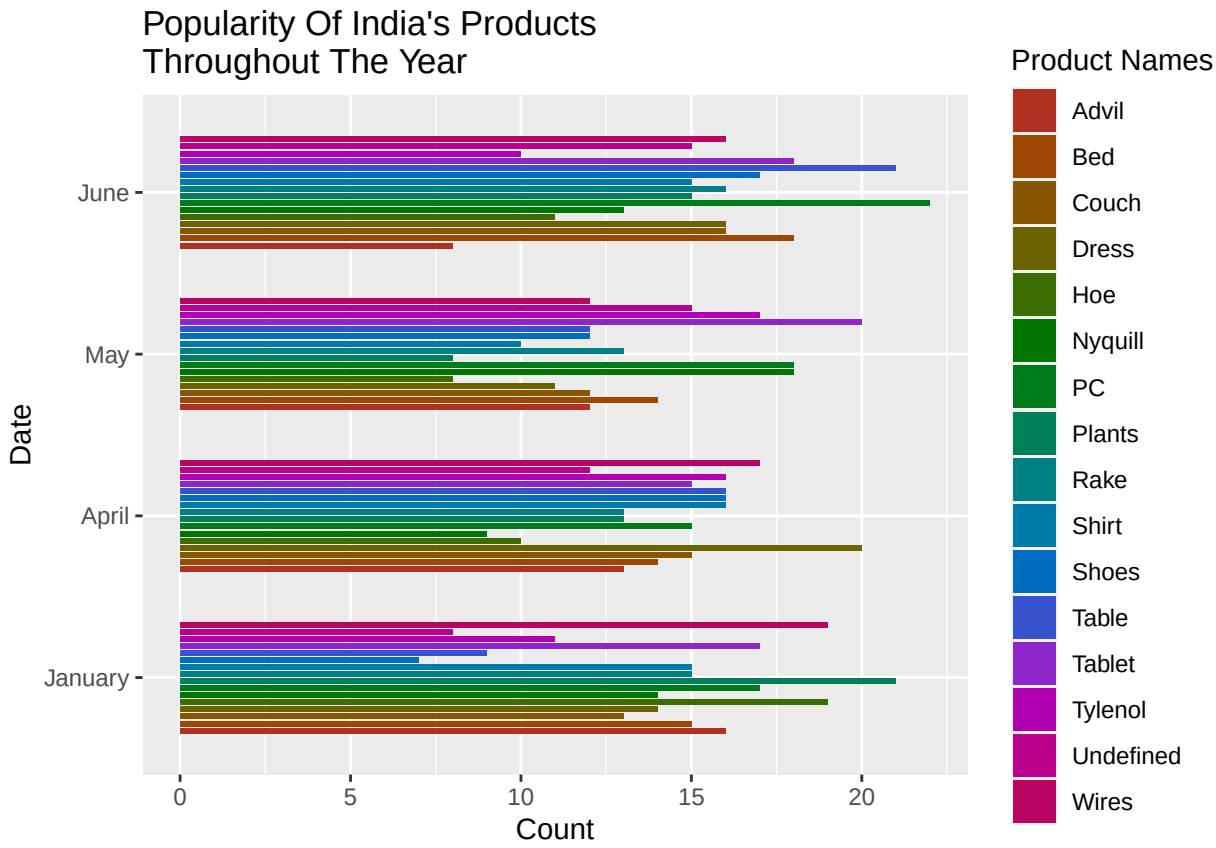
```
## All products for Germany
germanyP<- popProduct %>% filter(COUNTRY == 'Germany')
ggplot(germanyP, aes(y = DATETIME,x= PCOUNT,fill = PRODUCT_NAME))+
  scale_fill_hue(name= 'Product Names',l=40)+
  geom_bar(width = 0.5, position = position_dodge(0.7), stat='identity')+
  scale_y_discrete("Date", labels = c("2022-06-23 05:15" = "June", "2022-05-18 02:33" = "May","2022-04-
  ggtitle("Popularity Of Germany's Products\nThroughout The Year")+
  ylab("Date")+
  xlab("Count")
```




```
  labs()
```

```
## named list()
## attr(,"class")
## [1] "labels"
```

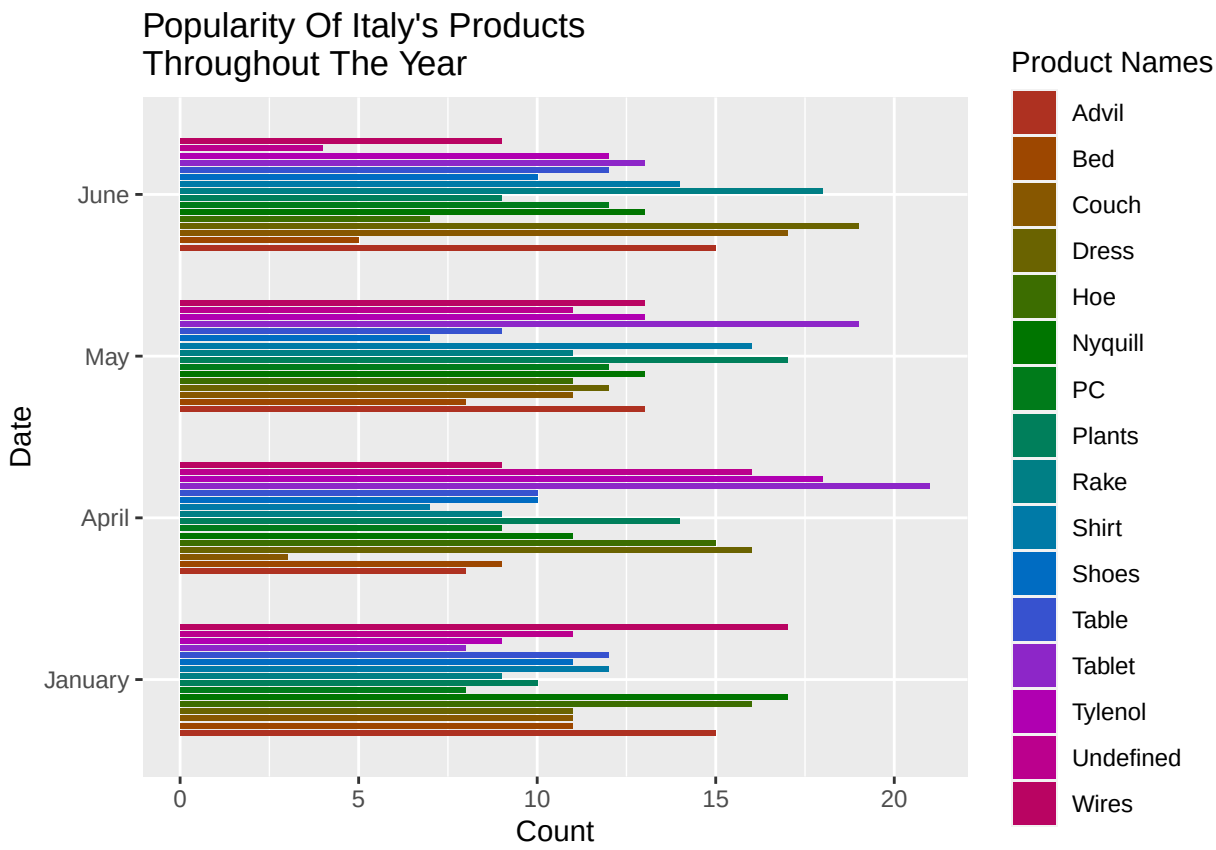
```
## All products for India
indiaP<- popProduct %>% filter(COUNTRY == 'India')
ggplot(indiaP, aes(y = DATETIME,x= PCOUNT,fill = PRODUCT_NAME))+
  scale_fill_hue(name= 'Product Names',l=40)+
  geom_bar(width = 0.5, position = position_dodge(0.7), stat='identity')+
  scale_y_discrete("Date", labels = c("2022-06-23 05:15" = "June", "2022-05-18 02:33" = "May","2022-04-
  ggtitle("Popularity Of India's Products\nThroughout The Year")+
  ylab("Date")+
  xlab("Count")
```




```
  labs()
```

```
## named list()
## attr(,"class")
## [1] "labels"
```

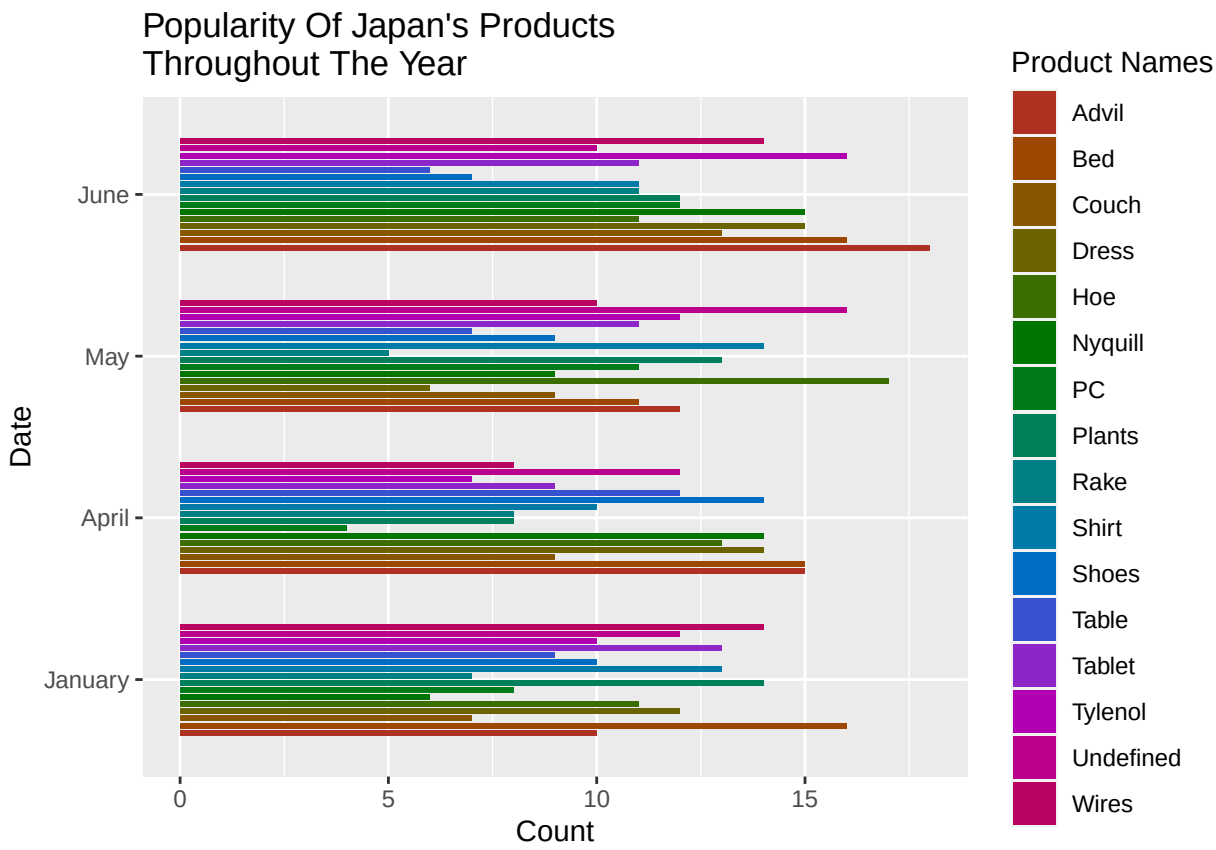
```
## All products for Italy
italyP<- popProduct %>% filter(COUNTRY == 'Italy')
ggplot(italyP, aes(y = DATETIME,x= PCOUNT,fill = PRODUCT_NAME))+
  scale_fill_hue(name= 'Product Names',l=40)+
  geom_bar(width = 0.5, position = position_dodge(0.7), stat='identity')+
  scale_y_discrete("Date", labels = c("2022-06-23 05:15" = "June", "2022-05-18 02:33" = "May","2022-04-
  ggtitle("Popularity Of Italy's Products\nThroughout The Year")+
  ylab("Date")+
  xlab("Count")
```




```
  labs()
```

```
## named list()
## attr(,"class")
## [1] "labels"
```

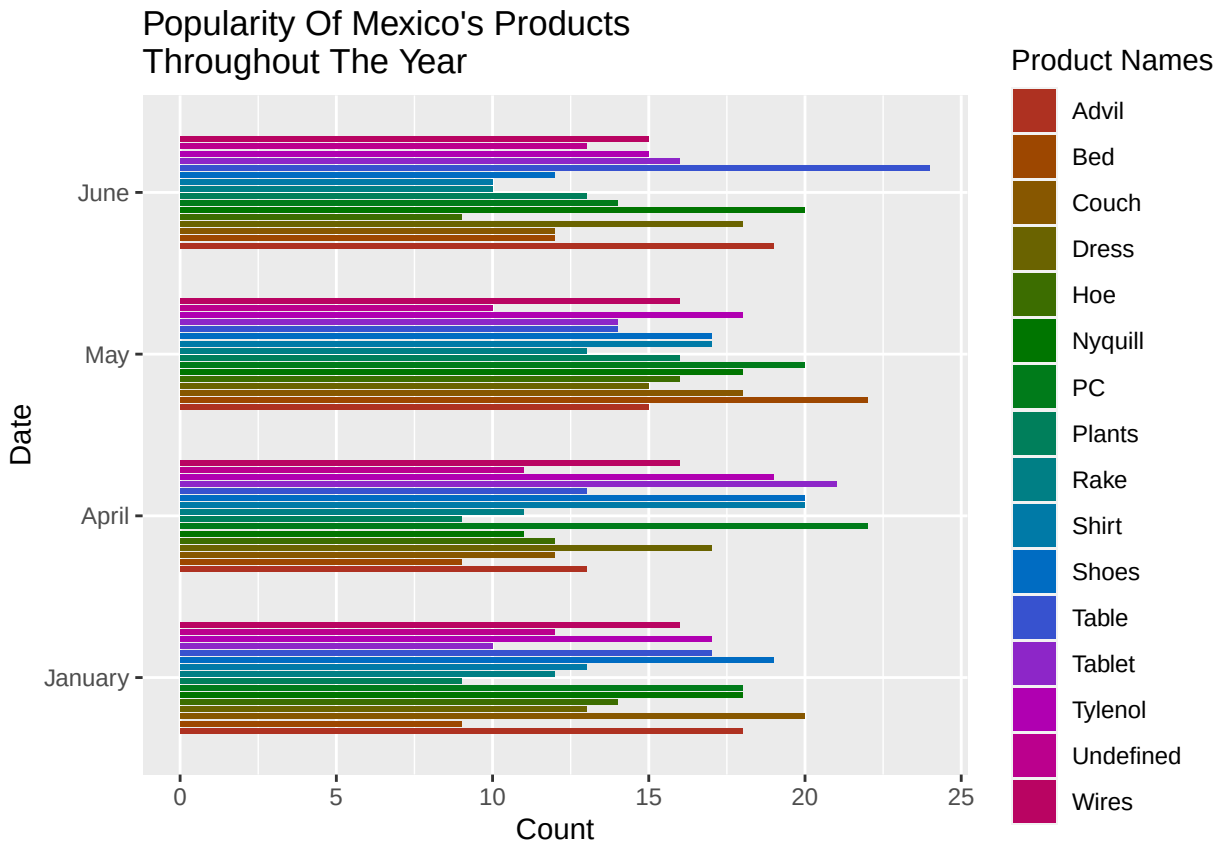
```
## All products for Japan
japanP<- popProduct %>% filter(COUNTRY == 'Japan')
ggplot(japanP, aes(y = DATETIME,x= PCOUNT,fill = PRODUCT_NAME))+
  scale_fill_hue(name= 'Product Names',l=40)+
  geom_bar(width = 0.5, position = position_dodge(0.7), stat='identity')+
  scale_y_discrete("Date", labels = c("2022-06-23 05:15" = "June", "2022-05-18 02:33" = "May","2022-04-
  ggtitle("Popularity Of Japan's Products\nThroughout The Year")+
  ylab("Date")+
  xlab("Count")
```




```
  labs()
```

```
## named list()
## attr(,"class")
## [1] "labels"
```

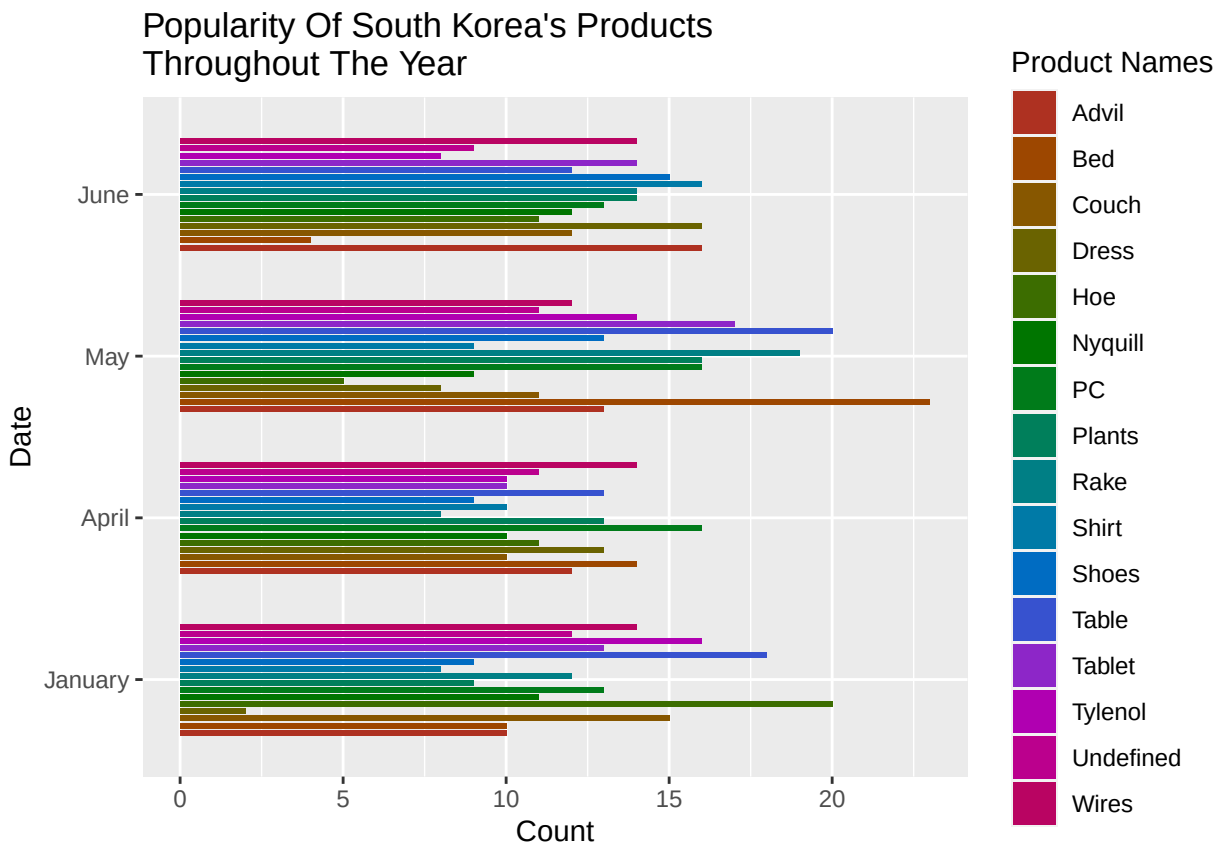
```
## All products for Mexico
mexicoP<- popProduct %>% filter(COUNTRY == 'Mexico')
ggplot(mexicoP, aes(y = DATETIME,x= PCOUNT,fill = PRODUCT_NAME))+
  scale_fill_hue(name= 'Product Names',l=40)+
  geom_bar(width = 0.5, position = position_dodge(0.7), stat='identity')+
  scale_y_discrete("Date", labels = c("2022-06-23 05:15" = "June", "2022-05-18 02:33" = "May","2022-04-
  ggtitle("Popularity Of Mexico's Products\nThroughout The Year")+
  ylab("Date")+
  xlab("Count")
```




```
  labs()
```

```
## named list()
## attr(,"class")
## [1] "labels"
```

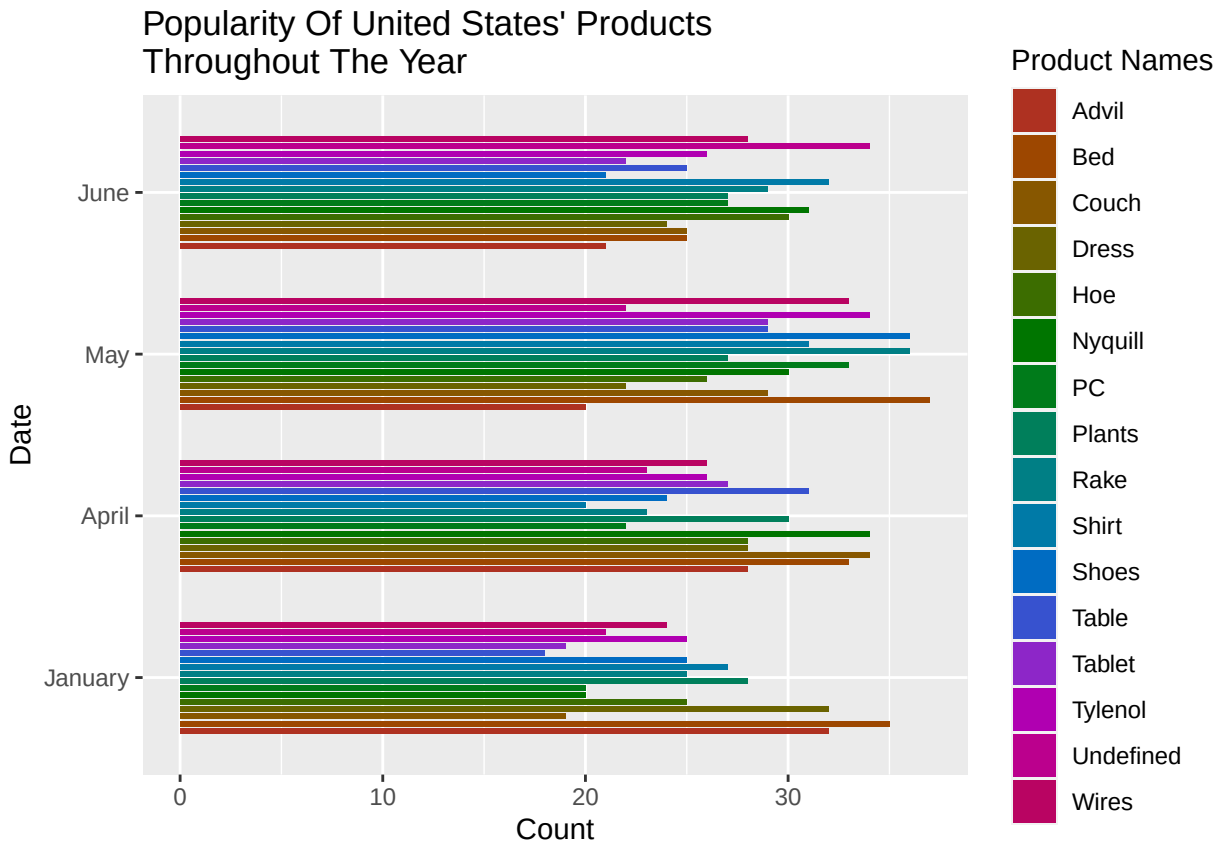
```
## All products for South Korea
skP<- popProduct %>% filter(COUNTRY == 'South Korea')
ggplot(skP, aes(y = DATETIME,x= PCOUNT,fill = PRODUCT_NAME))+
  scale_fill_hue(name= 'Product Names',l=40)+
  geom_bar(width = 0.5, position = position_dodge(0.7), stat='identity')+
  scale_y_discrete("Date", labels = c("2022-06-23 05:15" = "June", "2022-05-18 02:33" = "May","2022-04-
  ggtitle("Popularity Of South Korea's Products\nThroughout The Year")+
  ylab("Date")+
  xlab("Count")
```




```
  labs()
```

```
## named list()
## attr(,"class")
## [1] "labels"
```

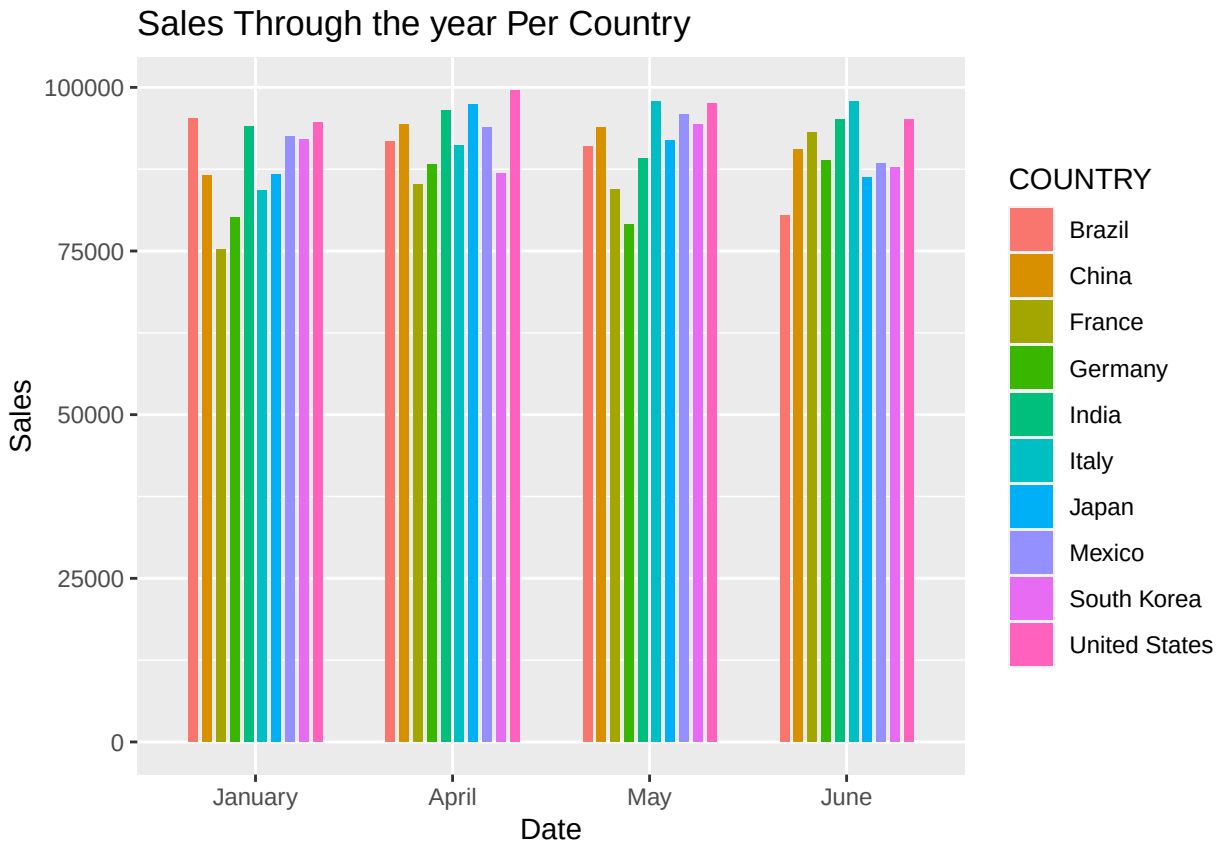
```
## All products for United States
usP<- popProduct %>% filter(COUNTRY == 'United States')
ggplot(usP, aes(y = DATETIME,x= PCOUNT,fill = PRODUCT_NAME))+
  scale_fill_hue(name= 'Product Names',l=40)+
  geom_bar(width = 0.5, position = position_dodge(0.7), stat='identity')+
  scale_y_discrete("Date", labels = c("2022-06-23 05:15" = "June", "2022-05-18 02:33" = "May","2022-04-
  ggtitle("Popularity Of United States' Products\nThroughout The Year")+
  ylab("Date")+
  xlab("Count")
```




```
  labs()
```

```
## named list()
## attr(,"class")
## [1] "labels"
```

```
### question 4 ###
sales<-read.csv("/Users/jodimitchell/priceSales.csv", header=TRUE)
ggplot(sales, aes(x = DATE, y = SALES, fill =COUNTRY))+
  geom_bar(width = 0.5, stat='identity', position = position_dodge(0.7))+
  ggtitle("Sales Through the year Per Country")+
  scale_x_discrete("Date", labels = c("2022-06-23 05:15" = "June", "2022-05-18 02:33" = "May","2022-04-
  ylab("Sales")+
  labs()
```


Sales Through the year Per Country
100000
75000
50000
25000
0
Sales
January
April
May
June
Date
COUNTRY
Brazil
China
France
Germany
India
Italy
Japan
Mexico
South Korea
United States