Week 12 Group Work

Peyton Hall

03/28/2024

```
library(tidyverse)
```

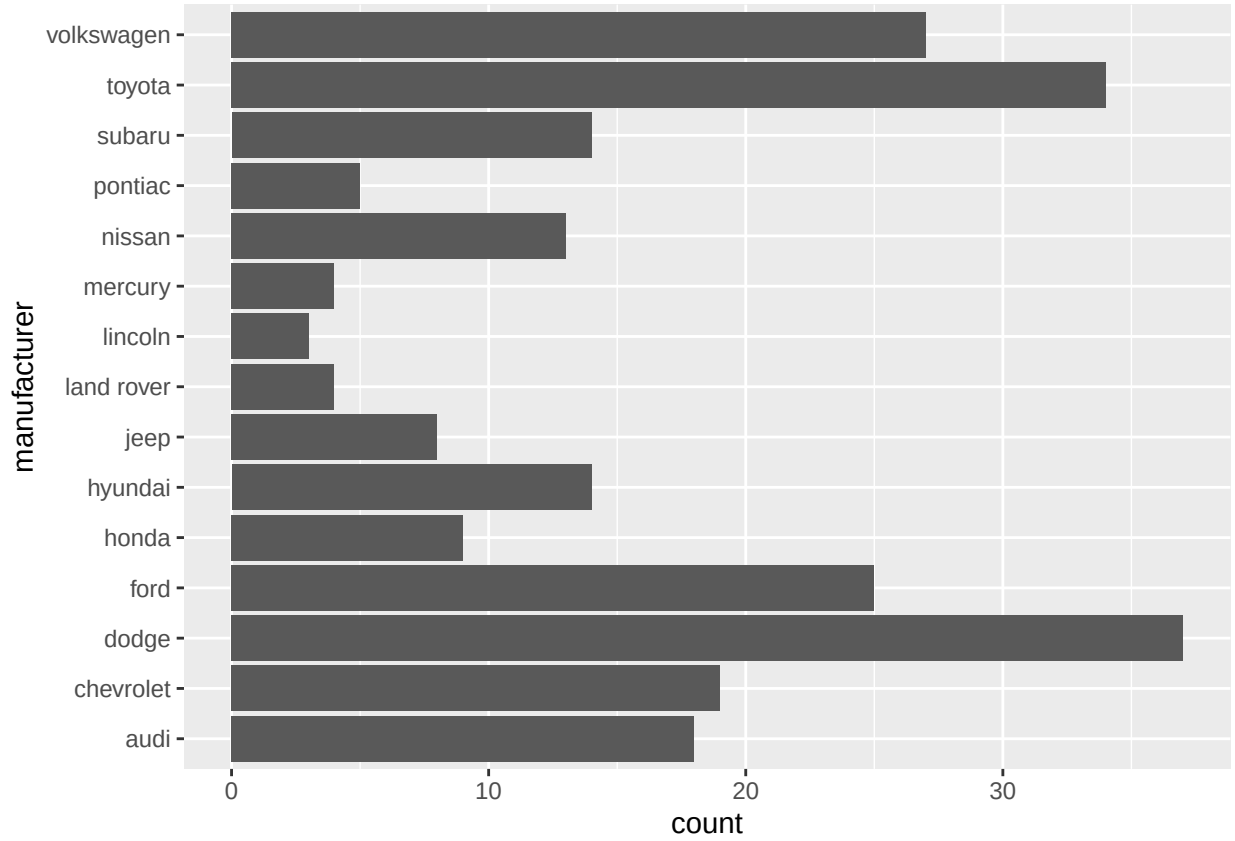
```
## -- Attaching core tidyverse packages ------------------------ tidyverse 2.0.0 --
## v dplyr     1.1.4     v readr     2.1.5
## v forcats   1.0.0     v stringr   1.5.1
## v ggplot2   3.4.4     v tibble    3.2.1
## v lubridate 1.9.3     v tidyr     1.3.1
## v purrr     1.0.2
## -- Conflicts ------------------------------------------ tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()
## i Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to become errors
```

```
library(plotly)
```

```
##
## Attaching package: 'plotly'
##
## The following object is masked from 'package:ggplot2':
##
##     last_plot
##
## The following object is masked from 'package:stats':
##
##     filter
##
## The following object is masked from 'package:graphics':
##
##     layout
```

```
library(DT)
```

```
Activity1 <- ggplot(data = mpg,aes(y=manufacturer))+geom_bar()
Activity1
```




```
Activity01 <- ggplotly(Activity1)
# Activity 01
```

```
Activity2 <- data.frame(Student = c("Jack", "Mike", "Kate", "Mary"),
  Midterm = c(89, 76, 76, 90),
  Final = c(91, 72, 81, 92)
)
Activity02 <- datatable(Activity2)
# Activity02
```

```
#   The variable State has the following values: Michigan State, Idaho State,
# Washington State, and Oregon State
#   Enter these values as a vector and name the vector as 'State'.
State <- c("Michigan State", "Idaho State", "Washington State", "Oregon State")
State
```

```
## [1] "Michigan State"   "Idaho State"      "Washington State" "Oregon State"
```

```
#   Remove the part of " State" for each state name
newstate <- substr(State, 1, 2)
newstate
```

```
## [1] "Mi" "Id" "Wa" "Or"
```

```r
#   Keep the first two letters for these states and name the new vector as
# 'newstate'(use substr) (note: use toupper() function to convert lower cases to
# upper cases)
newstate <- toupper(newstate)
newstate
```

```
## [1] "MI" "ID" "WA" "OR"
```