

test16

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## Step 2 from branch2 modify

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see <http://rmarkdown.rstudio.com>.

When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

```
summary(cars)
```

```
##      speed      dist
##  Min.   : 4.0    Min.   : 2.00
##  1st Qu.:12.0    1st Qu.: 26.00
##  Median :15.0    Median : 36.00
##  Mean   :15.4    Mean   : 42.98
##  3rd Qu.:19.0    3rd Qu.: 56.00
##  Max.   :25.0    Max.   :120.00
```

ABS

Question3 from main

```
library(ggplot2)
mpg
```

```
## # A tibble: 234 x 11
##   manufacturer model      displ  year  cyl trans drv      cty  hwy fl      class
##   <chr>          <chr>    <dbl> <int> <int> <chr> <chr> <int> <int> <chr> <chr>
## 1 audi          a4        1.8  1999   4 auto~ f      18   29 p      comp~
## 2 audi          a4        1.8  1999   4 manu~ f      21   29 p      comp~
## 3 audi          a4        2    2008   4 manu~ f      20   31 p      comp~
## 4 audi          a4        2    2008   4 auto~ f      21   30 p      comp~
## 5 audi          a4        2.8  1999   6 auto~ f      16   26 p      comp~
## 6 audi          a4        2.8  1999   6 manu~ f      18   26 p      comp~
## 7 audi          a4        3.1  2008   6 auto~ f      18   27 p      comp~
## 8 audi          a4 quattro 1.8  1999   4 manu~ 4      18   26 p      comp~
## 9 audi          a4 quattro 1.8  1999   4 auto~ 4      16   25 p      comp~
## 10 audi          a4 quattro 2    2008   4 manu~ 4      20   28 p      comp~
## # i 224 more rows
```

```
summary(mpg)
```

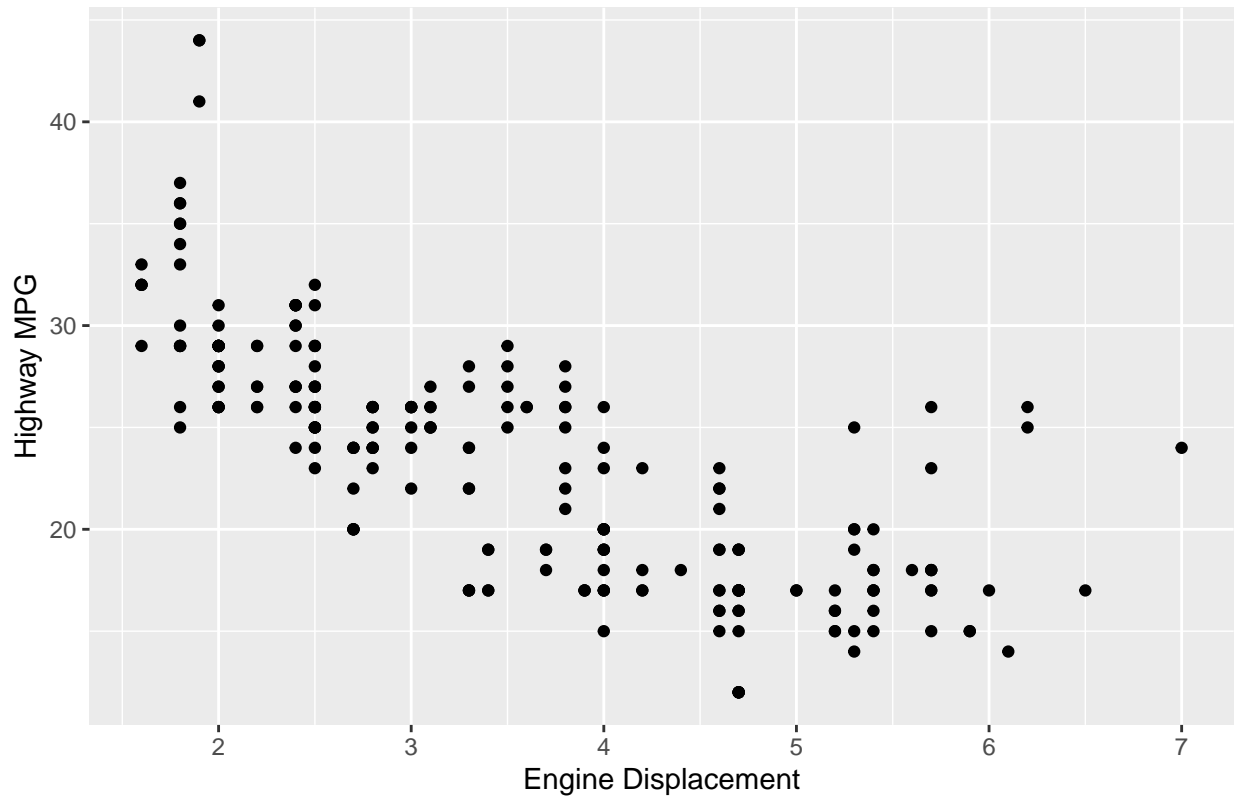
```
## manufacturer      model      displ      year
## Length:234      Length:234      Min.   :1.600      Min.   :1999
## Class :character  Class :character  1st Qu.:2.400      1st Qu.:1999
## Mode  :character  Mode  :character  Median :3.300      Median :2004
##                                     Mean   :3.472      Mean   :2004
##                                     3rd Qu.:4.600      3rd Qu.:2008
##                                     Max.   :7.000      Max.   :2008
##      cyl      trans      drv      cty
## Min.   :4.000      Length:234      Length:234      Min.   : 9.00
## 1st Qu.:4.000      Class :character  Class :character  1st Qu.:14.00
## Median :6.000      Mode  :character  Mode  :character  Median :17.00
## Mean   :5.889                                     Mean   :16.86
## 3rd Qu.:8.000                                     3rd Qu.:19.00
## Max.   :8.000                                     Max.   :35.00
##      hwy      fl      class
## Min.   :12.00      Length:234      Length:234
## 1st Qu.:18.00      Class :character  Class :character
## Median :24.00      Mode  :character  Mode  :character
## Mean   :23.44
## 3rd Qu.:27.00
## Max.   :44.00
```

```
library(kableExtra)
```

```
## Warning in !is.null(rmarkdown::metadata$output) && rmarkdown::metadata$output
## %in% : 'length(x) = 2 > 1' in coercion to 'logical(1)'
```

```
library(knitr)
```

Scatter Plot of MPG Dataset



sue this graph

## Figure @ref(fig::scatter2) shows a scatter plot of the MPG dataset.