EDA-2

2022-09-24

R Markdown

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.

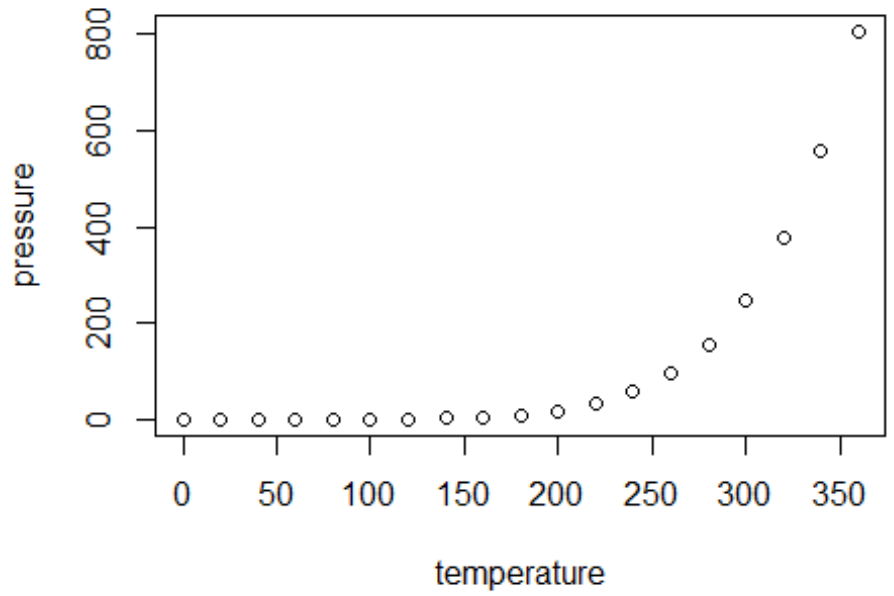
When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

```
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
```

Including Plots

You can also embed plots, for example:



Note that the `echo = FALSE` parameter was added to the code chunk to prevent printing of the R code that generated the plot.

```
getwd()
```

```
## [1] "C:/Users/Dell/Documents"
```

```
df=read.csv('heart.csv')
```

```
library(dplyr)
```

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

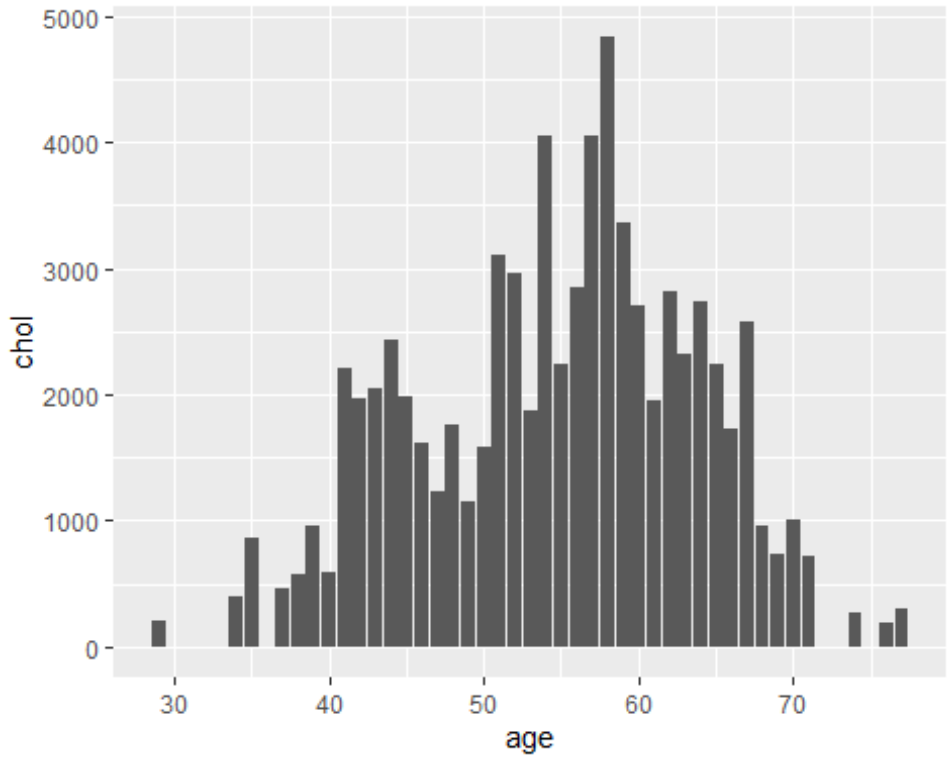
```
## The following objects are masked from 'package:stats':
##
##     filter, lag
```

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

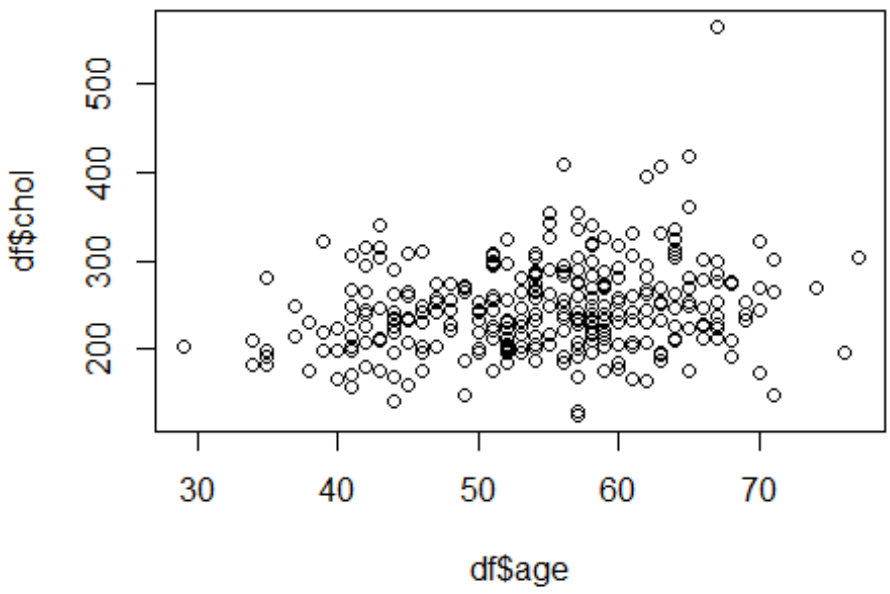
```
library(ggplot2)
```

```
ggplot(df,aes(x=age, y=chol))+
  geom_col(sex='1')
```

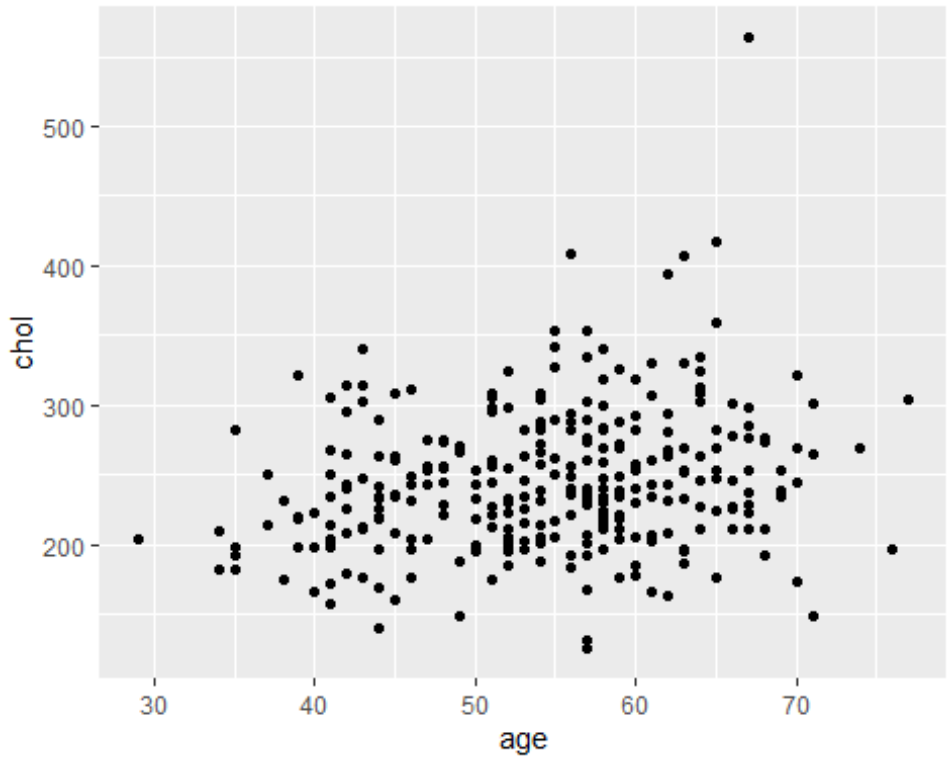
```
## Warning: Ignoring unknown parameters: sex
```



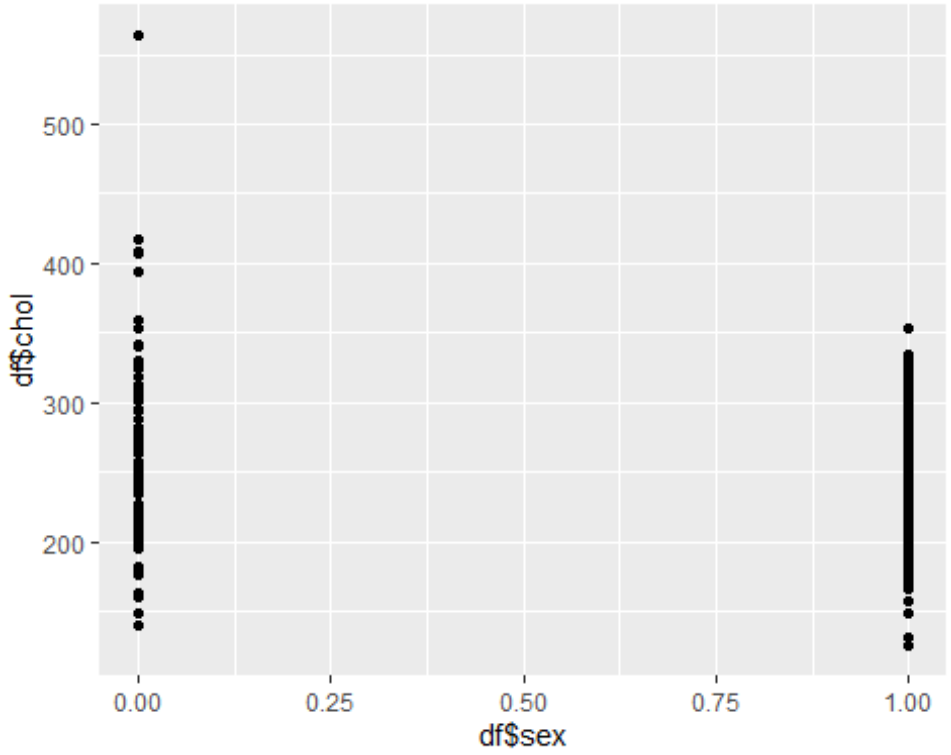

```
plot(df$age,df$chol)
```



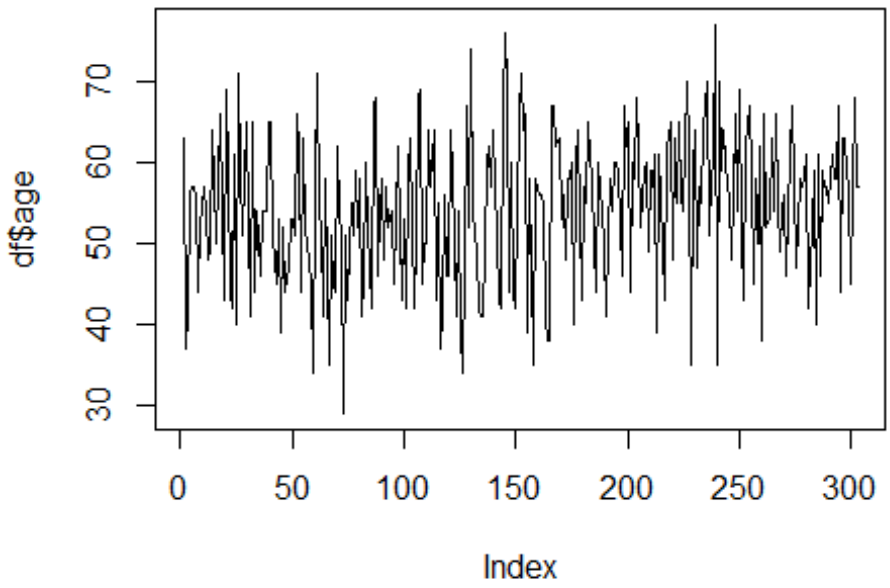
```
library(ggplot2)
ggplot(df, aes(x = age, y = chol)) +geom_point()
```



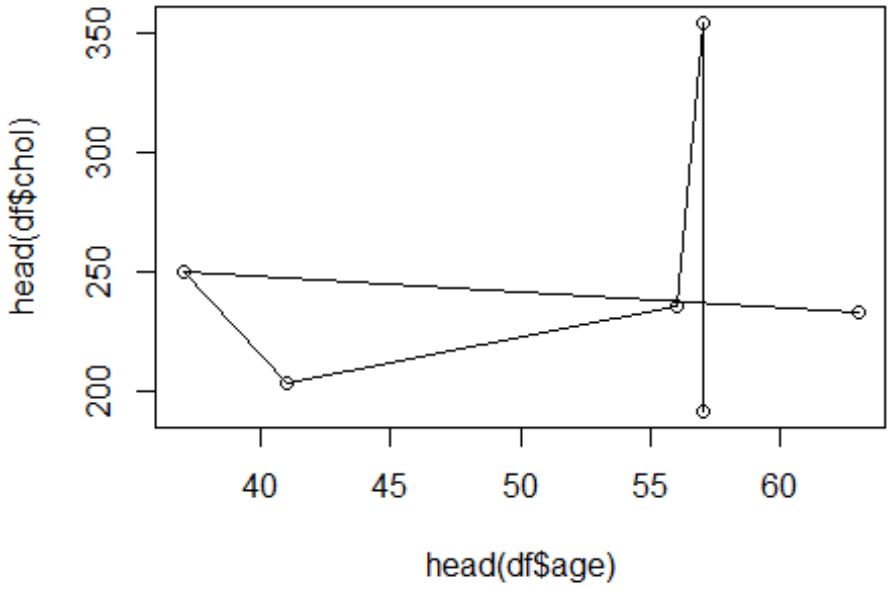

```
ggplot(data = NULL, aes(x =df$sex, y=df$chol)) +
geom_point()
```



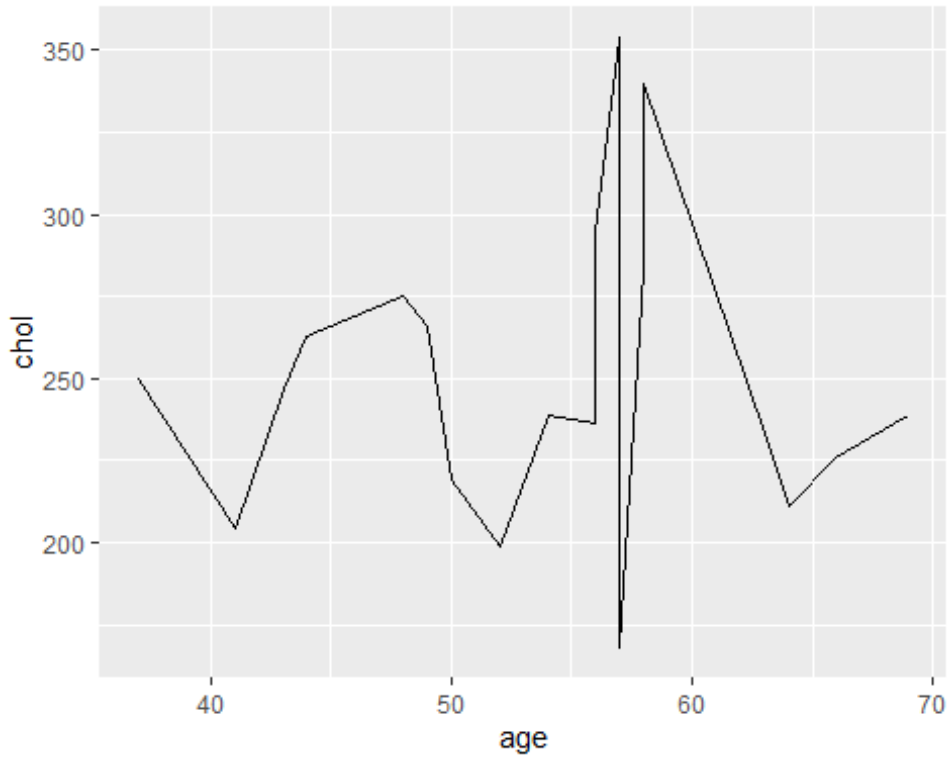

```
plot(df$age,type = "l")
```



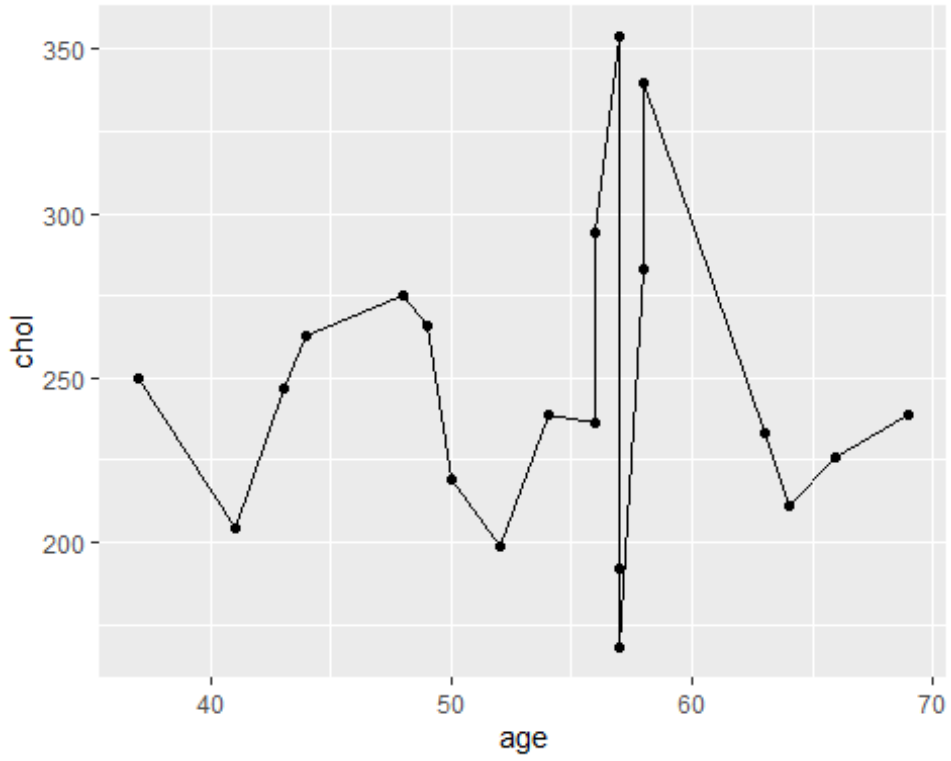
```
plot(head(df$age),head(df$chol),  type = "l")
points(head(df$age),head(df$chol))
```



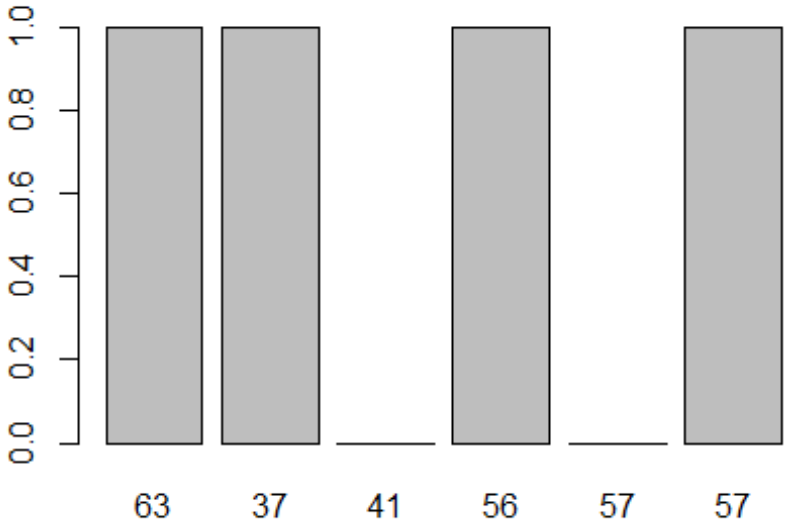

```
ggplot(head(df,n=20), aes(x = age, y = chol)) +geom_line()
```



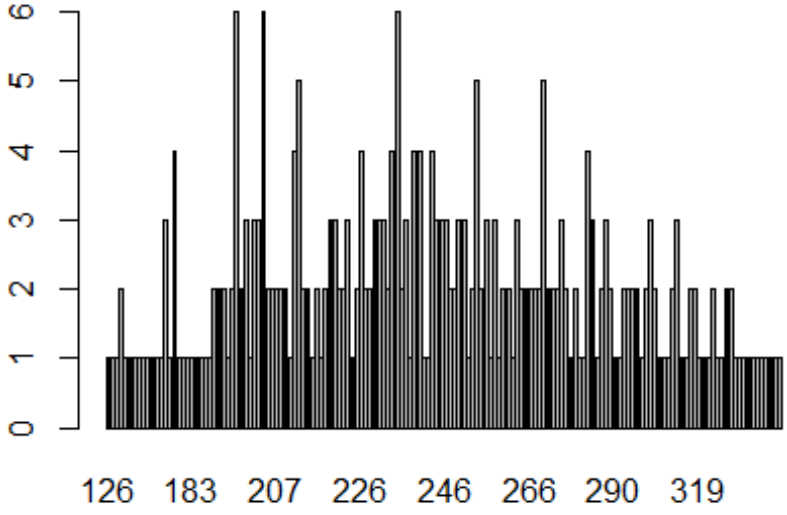

```
ggplot(head(df,n=20), aes(x = age, y = chol)) +geom_line()+geom_point()
```




```
barplot(head(df$sex), names.arg = head(df$age))
```




```
barplot(table(df$chol))
```



```r
hist(df$age)
# Specify approximate number of bins with breaks
hist(df$age, breaks = 10)
```