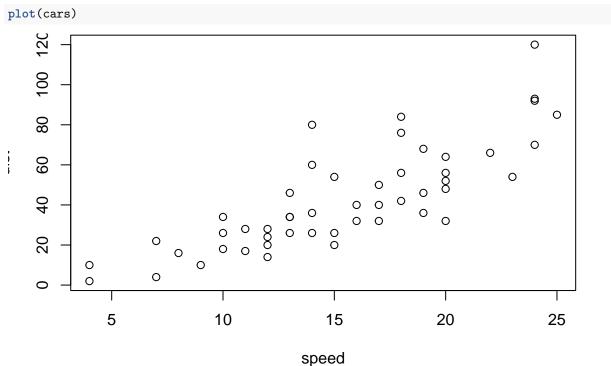
R Notebook

This is an R Markdown Notebook. When you execute code within the notebook, the results appear beneath the code.

Try executing this chunk by clicking the Run button within the chunk or by placing your cursor inside it and pressing Ctrl+Shift+Enter.



Add a new chunk by clicking the *Insert Chunk* button on the toolbar or by pressing Ctrl+Alt+I.

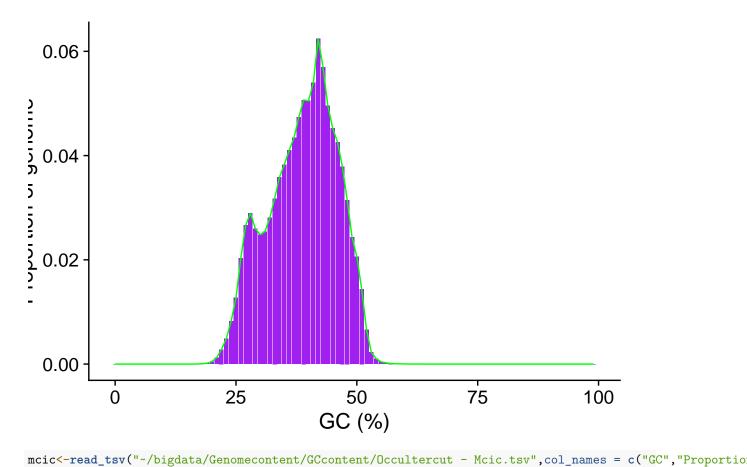
When you save the notebook, an HTML file containing the code and output will be saved alongside it (click the Preview button or press Ctrl+Shift+K to preview the HTML file).

The preview shows you a rendered HTML copy of the contents of the editor. Consequently, unlike *Knit*, *Preview* does not run any R code chunks. Instead, the output of the chunk when it was last run in the editor is displayed.

library(tidyverse)

```
## -- Attaching core tidyverse packages --
## v dplyr
             1.1.4
                      v readr
                                 2.1.5
## v forcats
             1.0.0
                                 1.5.1
                      v stringr
## v ggplot2
             3.5.1
                      v tibble
                                 3.2.1
## v lubridate 1.9.3
                      v tidyr
                                 1.3.1
## v purrr
             1.0.2
## -- Conflicts -----
                                        ## x dplyr::filter() masks stats::filter()
```

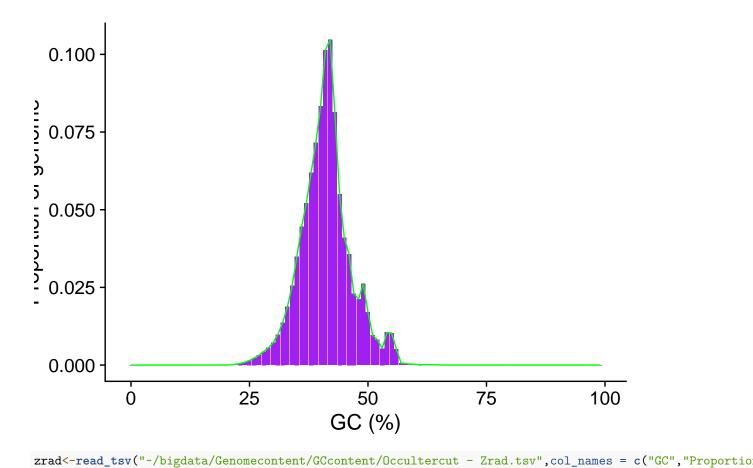
```
## x dplyr::lag()
                    masks stats::lag()
## i Use the conflicted package (<a href="http://conflicted.r-lib.org/">http://conflicted.r-lib.org/</a>) to force all conflicts to become error
library(cowplot)
##
## Attaching package: 'cowplot'
## The following object is masked from 'package:lubridate':
##
##
emai <- read_tsv("~/bigdata/Genomecontent/GCcontent/Occultercut - Emai.tsv",col_names = c("GC","Proportion
## Rows: 100 Columns: 2
## Delimiter: "\t"
## dbl (2): GC, Proportion
##
## i Use `spec()` to retrieve the full column specification for this data.
## i Specify the column types or set `show_col_types = FALSE` to quiet this message.
emaigc<-emai%>%ggplot(aes(x=GC,y=Proportion)) +
  geom_histogram(stat = "identity",fill="purple") +
 geom_line(color="green")+
 theme_cowplot(16)+
 xlab("GC (%)") +
 ylab("Proportion of genome")
## Warning in geom_histogram(stat = "identity", fill = "purple"): Ignoring unknown
## parameters: `binwidth`, `bins`, and `pad`
print(emaigc)
```



Rows: 100 Columns: 2
-- Column specification -----## Delimiter: "\t"
dbl (2): GC, Proportion
##
i Use `spec()` to retrieve the full column specification for this data.
i Specify the column types or set `show_col_types = FALSE` to quiet this message.
mcicgc<-mcic%>%ggplot(aes(x=GC,y=Proportion)) +
 geom_histogram(stat = "identity",fill="purple") +
 geom_line(color="green")+
 theme_cowplot(16)+
 xlab("GC (%)") +
 ylab("Proportion of genome")

Warning in geom_histogram(stat = "identity", fill = "purple"): Ignoring unknown
parameters: `binwidth`, `bins`, and `pad`

print(mcicgc)

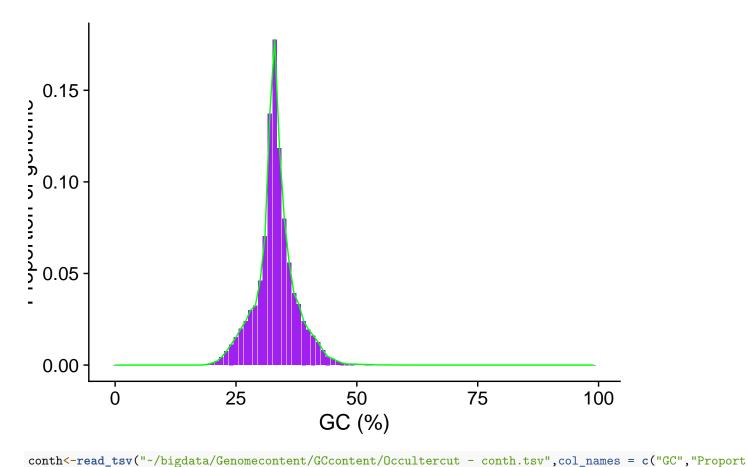


Rows: 100 Columns: 2
-- Column specification -----## Delimiter: "\t"
dbl (2): GC, Proportion
##
i Use `spec()` to retrieve the full column specification for this data.
i Specify the column types or set `show_col_types = FALSE` to quiet this message.

zradgc<-zrad%>%ggplot(aes(x=GC,y=Proportion)) +
 geom_histogram(stat = "identity",fill="purple") +
 geom_line(color="green")+
 theme_cowplot(16)+
 xlab("GC (%)") +
 ylab("Proportion of genome")

Warning in geom_histogram(stat = "identity", fill = "purple"): Ignoring unknown
parameters: `binwidth`, `bins`, and `pad`

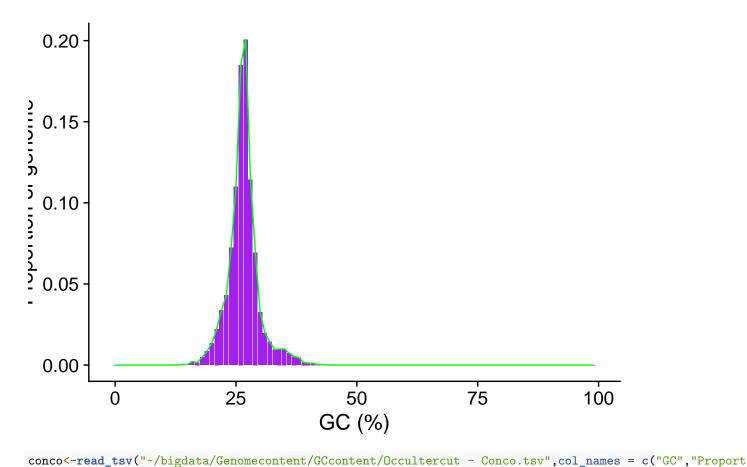
print(zradgc)



Rows: 100 Columns: 2
-- Column specification -----## Delimiter: "\t"
db1 (2): GC, Proportion
##
i Use `spec()` to retrieve the full column specification for this data.
i Specify the column types or set `show_col_types = FALSE` to quiet this message.
conthgc<-conth%>%ggplot(aes(x=GC,y=Proportion)) +
 geom_histogram(stat = "identity",fill="purple") +
 geom_line(color="green")+
 theme_cowplot(16)+
 xlab("GC (%)") +
 ylab("Proportion of genome")

Warning in geom_histogram(stat = "identity", fill = "purple"): Ignoring unknown
parameters: `binwidth`, `bins`, and `pad`

print(conthgc)



Rows: 100 Columns: 2 ## -- Column specification -## Delimiter: "\t" ## dbl (2): GC, Proportion ## ## i Use `spec()` to retrieve the full column specification for this data. ## i Specify the column types or set `show_col_types = FALSE` to quiet this message. concogc<-conco%>%ggplot(aes(x=GC,y=Proportion)) + geom_histogram(stat = "identity",fill="purple") + geom_line(color="green")+ theme_cowplot(16)+ xlab("GC (%)") + ylab("Proportion of genome") ## Warning in geom_histogram(stat = "identity", fill = "purple"): Ignoring unknown ## parameters: `binwidth`, `bins`, and `pad` print(concogc)

