

# ChickWeight data

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## 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:

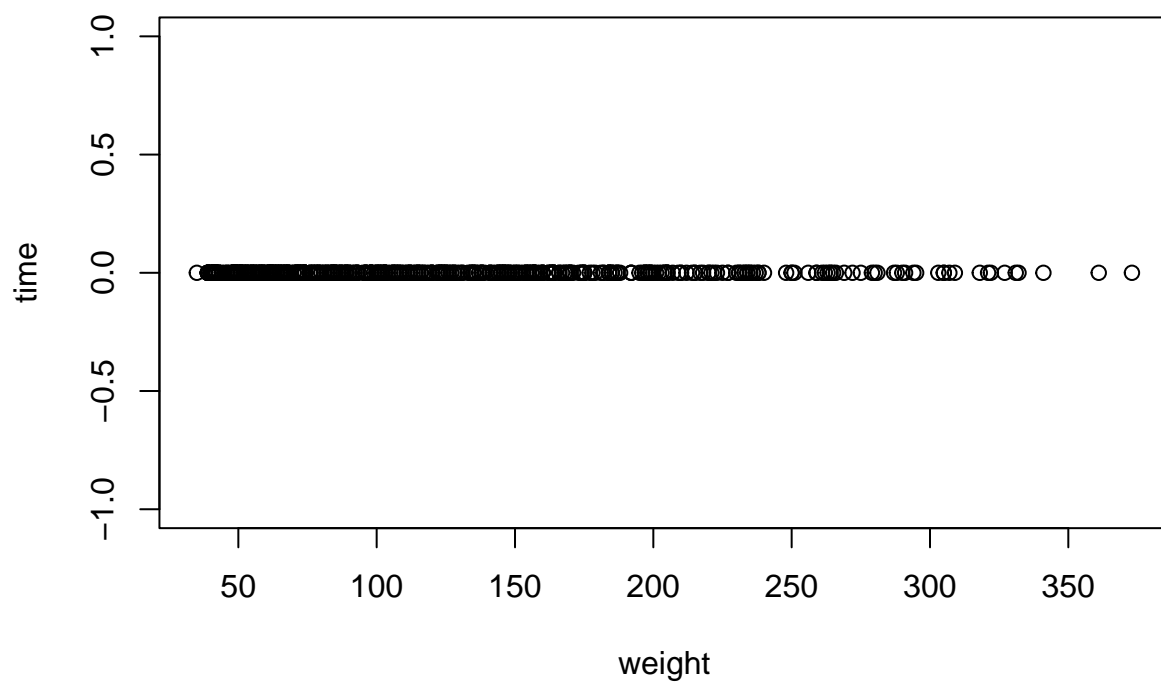
```
summary(ChickWeight)
```

```
##      weight      Time      Chick      Diet
##  Min.   : 35.0   Min.   : 0.00   13      : 12   1:220
##  1st Qu.: 63.0   1st Qu.: 4.00    9       : 12   2:120
##  Median :103.0   Median :10.00   20       : 12   3:120
##  Mean   :121.8   Mean   :10.72   10       : 12   4:118
##  3rd Qu.:163.8   3rd Qu.:16.00   17       : 12
##  Max.   :373.0   Max.   :21.00   19       : 12
##                                     (Other):506
```

## Including Plots

You can also embed plots, for example:

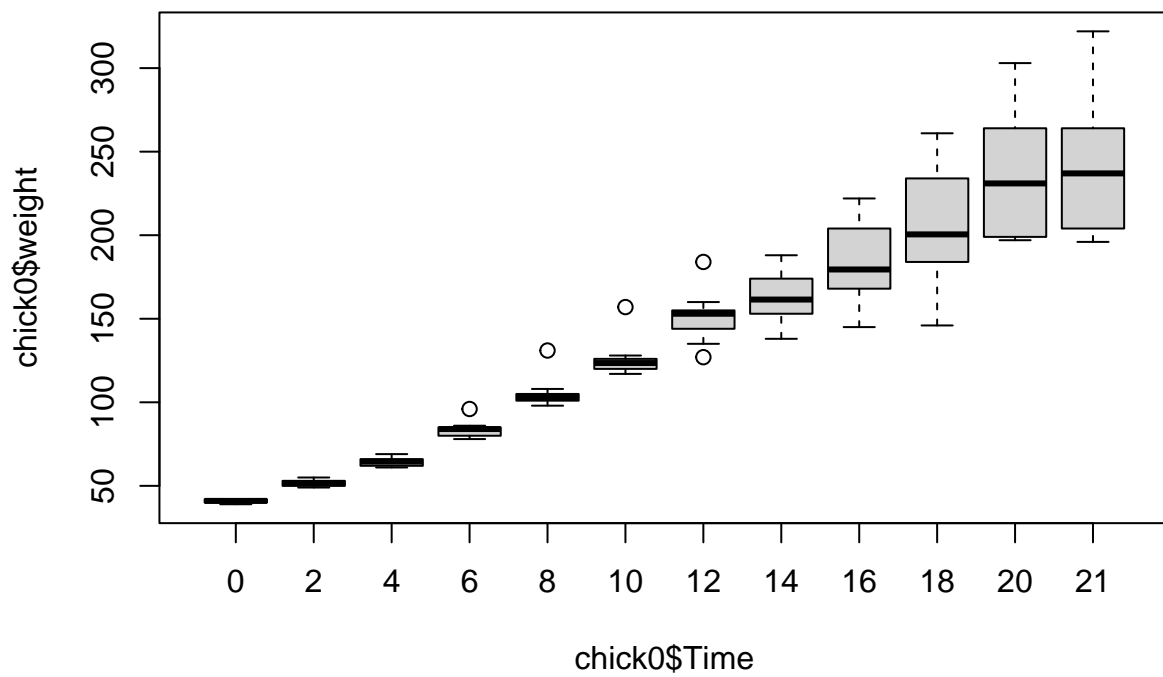
```
x<-ChickWeight$weight
y<-ChickWeight$Time==34
plot(x,y,xlab = "weight",ylab = "time")
```



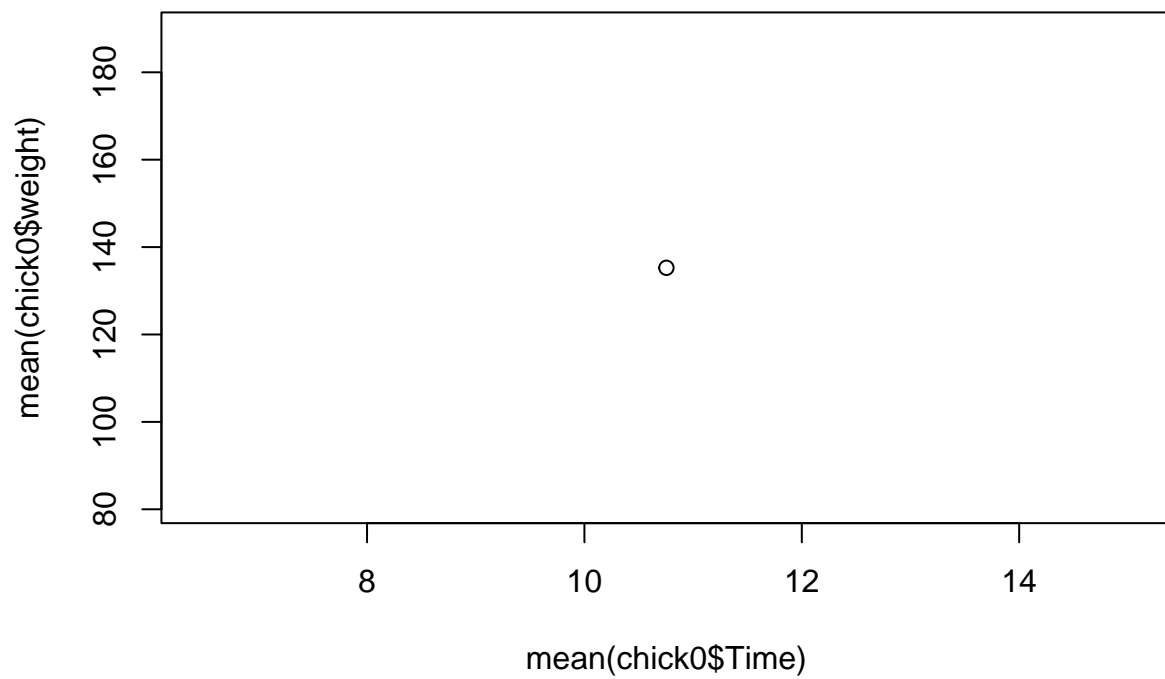
```
library("tidyverse")
```

```
## -- Attaching packages ----- tidyverse 1.3.2 --
## v ggplot2 3.4.0      v purrr   0.3.5
## v tibble  3.1.8      v dplyr  1.0.10
## v tidyr   1.2.1      v stringr 1.4.1
## v readr   2.1.3      v forcats 0.5.2
## -- Conflicts ----- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()
```

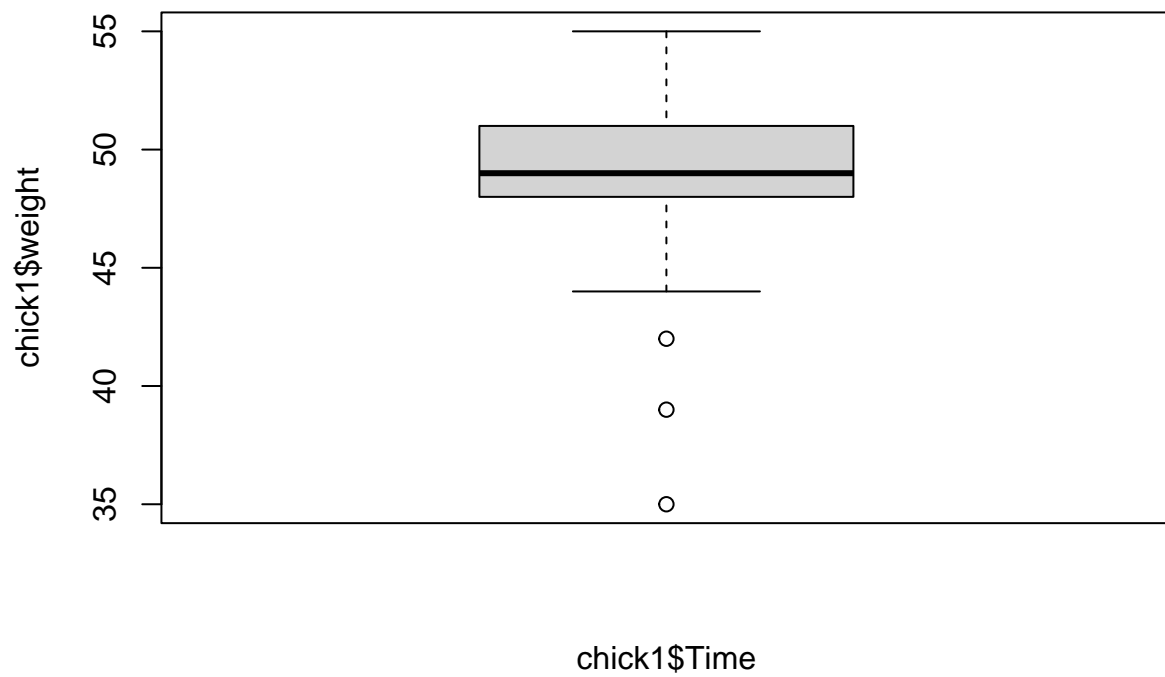
```
chick0<-ChickWeight[ChickWeight$Diet==4,]
boxplot(chick0$weight~chick0$Time)
```



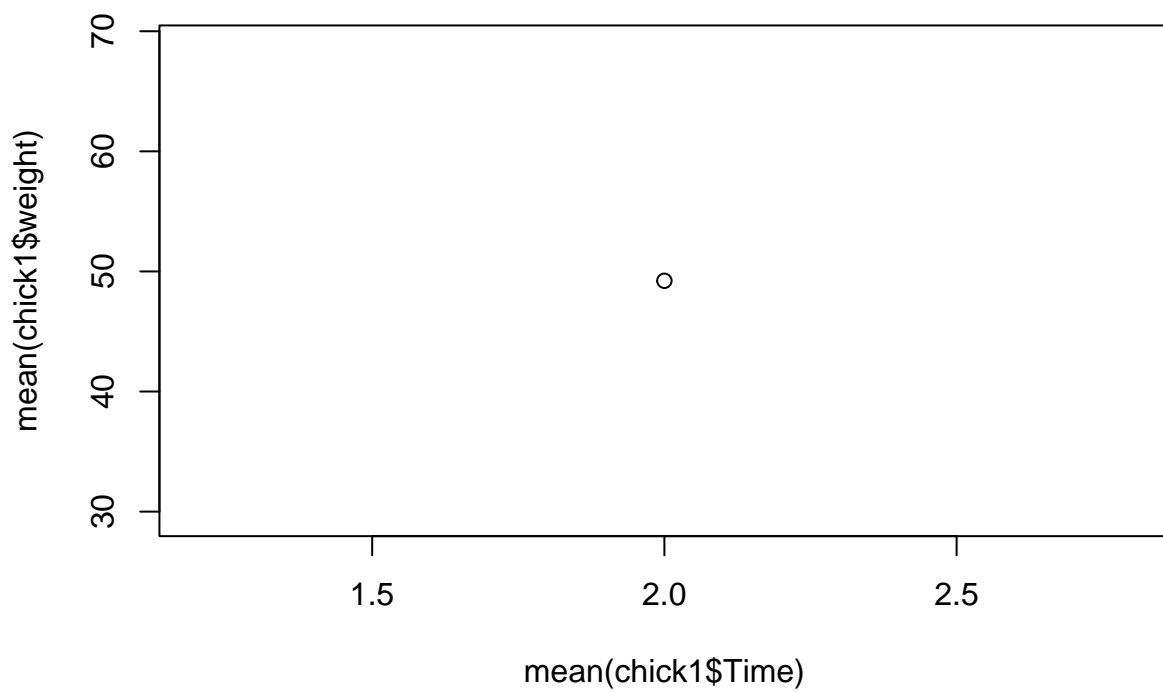
```
plot(mean(chick0$weight)~mean(chick0$Time))  
legend(0.5,289,legend = c("Boxplot of ChickWeight"))
```



```
library("tidyverse")
chick1<-ChickWeight[ChickWeight$Time==2,]
boxplot(chick1$weight~chick1$Time)
```



```
plot(mean(chick1$weight)~mean(chick1$Time))  
legend(0.5,289,legend = c("Boxplot of Chickweight"))
```



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