

chick weight report

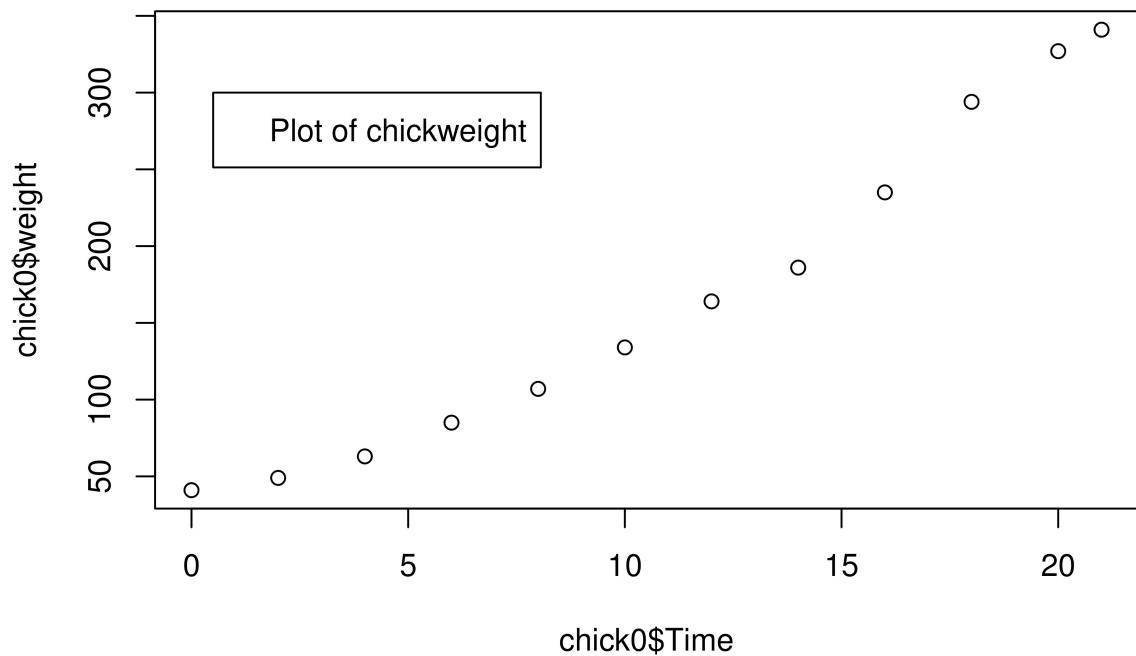
```
library(tidyverse)

## -- 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        vforcats  0.5.2
## -- Conflicts ----- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()   masks stats::lag()

summary(ChickWeight)

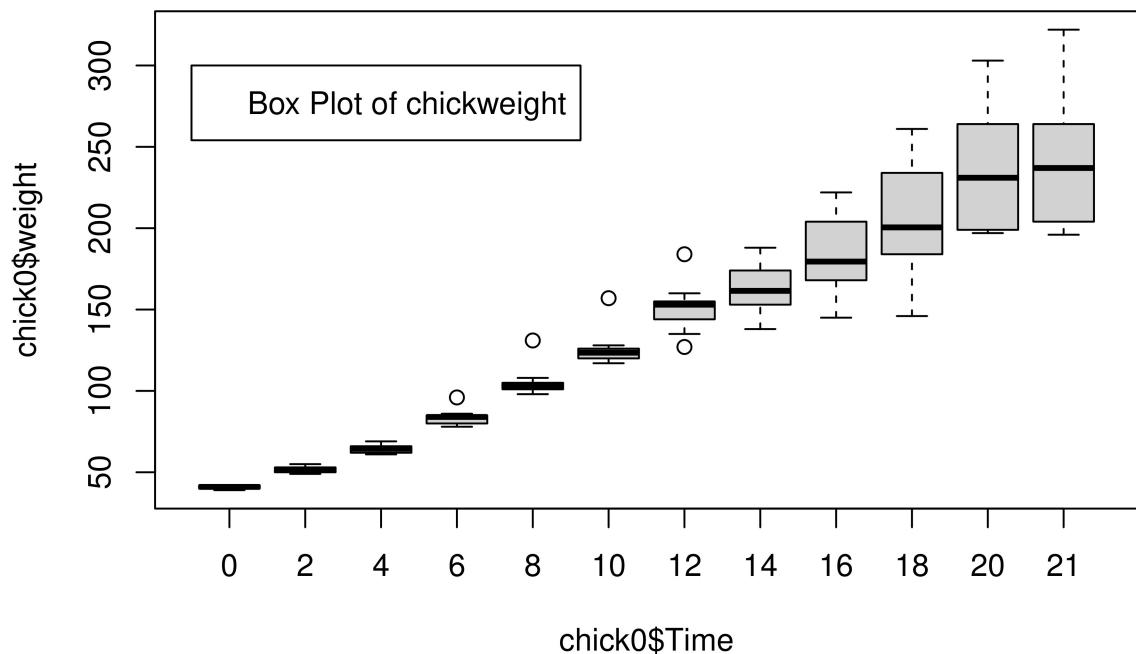
##      weight          Time      Chick      Diet
##  Min.   : 35.0   Min.   : 0.00  13   : 12  1:220
##  1st Qu.: 63.0   1st Qu.: 4.00   9   : 12  2:120
##  Median :103.0   Median :10.00  20   : 12  3:120
##  Mean   :121.8   Mean   :10.72  10   : 12  4:118
##  3rd Qu.:163.8   3rd Qu.:16.00 17   : 12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

library("tidyverse")
chick0<-ChickWeight[ChickWeight$Chick==34,]
plot(chick0$weight~chick0$Time)
legend(0.5,300,legend=c("Plot of chickweight"))
```

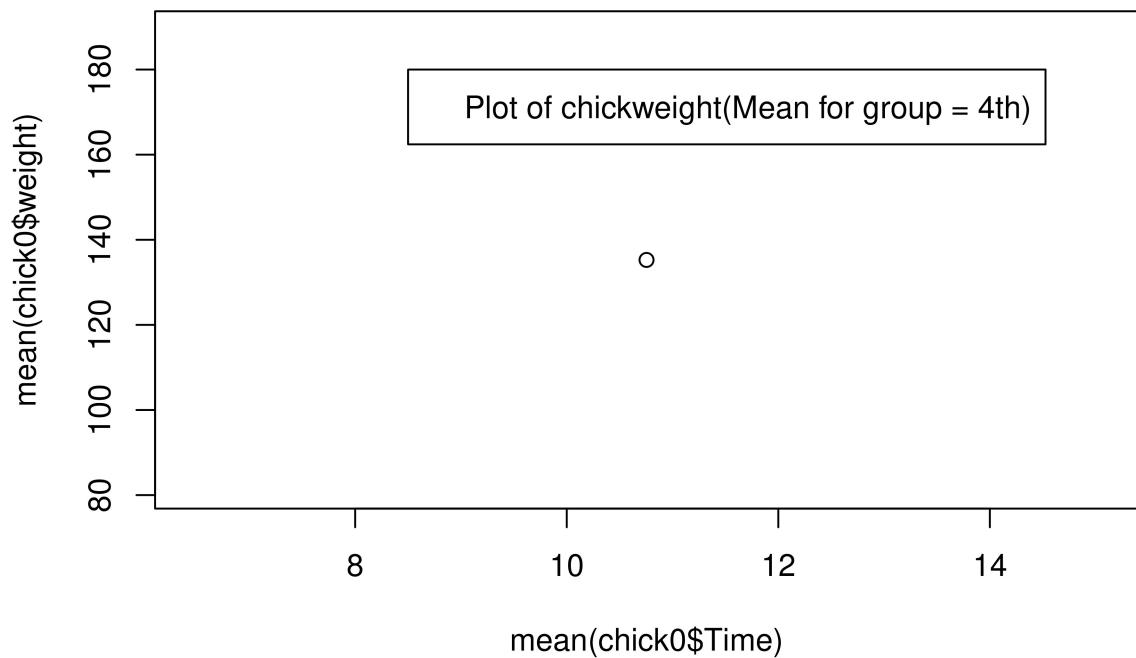


##Construct a plot of weight against time for chick number 34.

```
library("tidyverse")
chick0<-ChickWeight[ChickWeight$Diet==4,]
boxplot(chick0$weight~chick0$Time)
legend(0.5,300,legend=c("Box Plot of chickweight"))
```



```
library("tidyverse")
chick0<-ChickWeight[ChickWeight$Diet==4,]
plot(mean(chick0$weight)~mean(chick0$Time))
legend(8.5,180,legend=c("Plot of chickweight(Mean for group = 4th)"))
```



```
library("tidyverse")
chick0<-ChickWeight[ChickWeight$Diet==2,]
plot(mean(chick0$weight)~mean(chick0$Time))
legend(8.5,160,legend=c("Plot of chickweight(Mean for group = 4th)"))
```

