

chick weight report

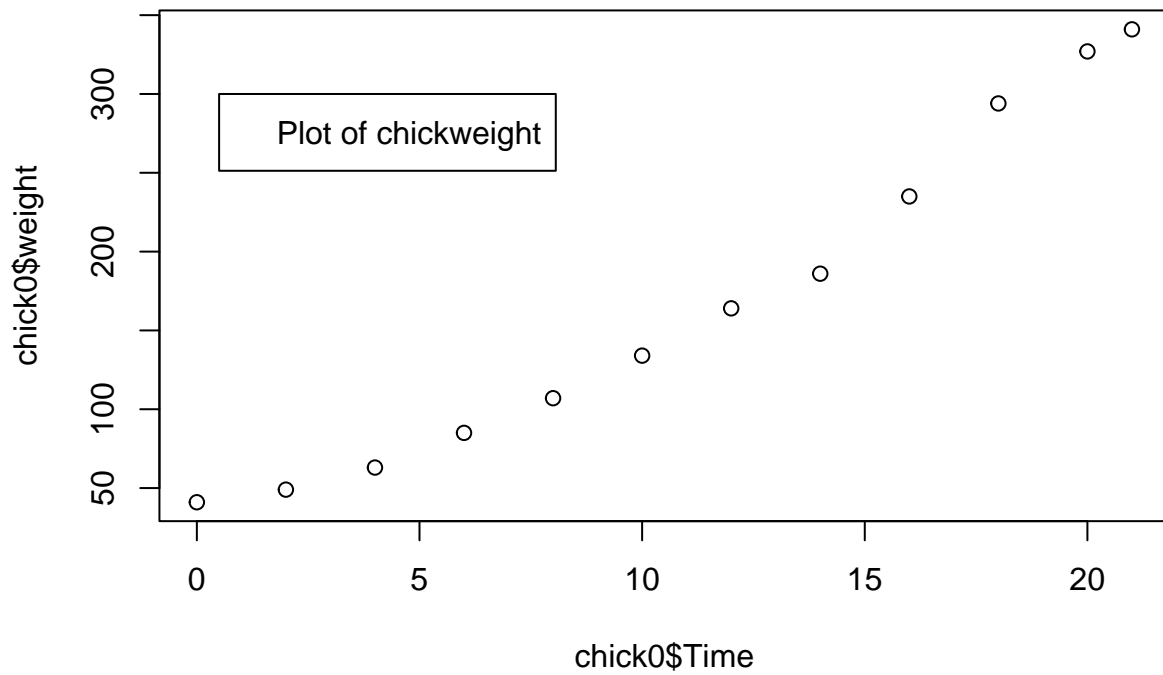
```
library(tidyverse)
```

```
## -- 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      v forcats 0.5.2
## -- Conflicts ----- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()     masks stats::lag()
```

```
summary(ChickWeight)
```

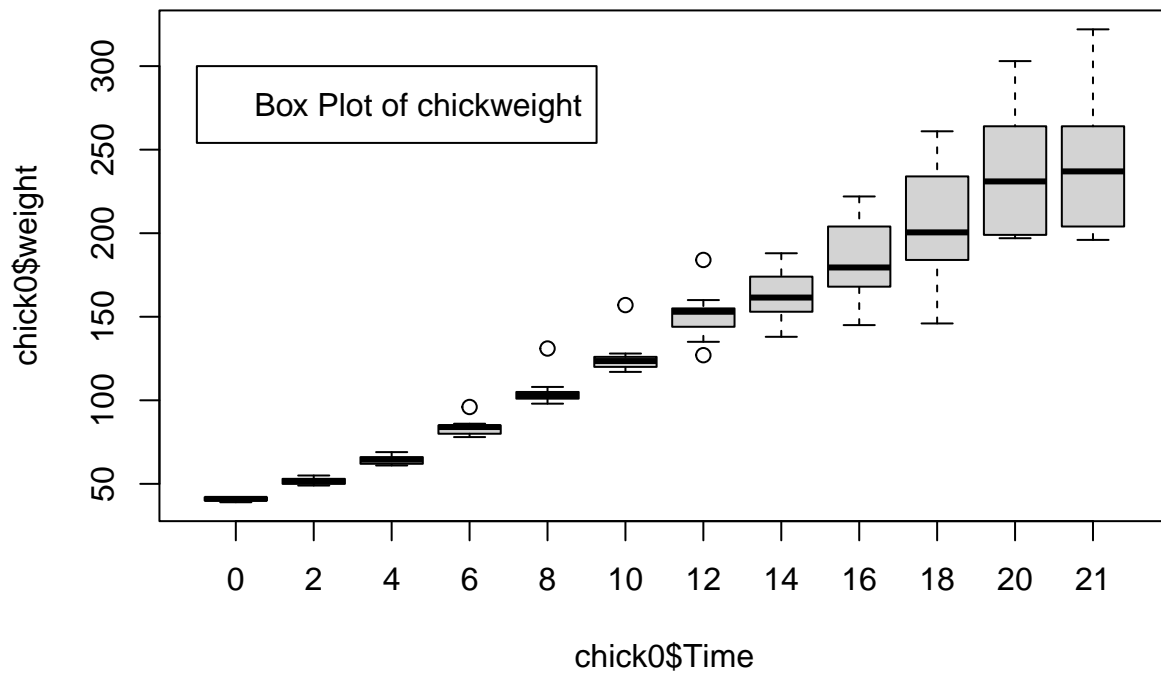
##	weight	Time	Chick	Diet
##	Min. : 35.0	Min. : 0.00	13 : 12	1:220
##	1st Qu.: 63.0	1st Qu.: 4.00	9 : 12	2:120
##	Median :103.0	Median :10.00	20 : 12	3:120
##	Mean :121.8	Mean :10.72	10 : 12	4:118
##	3rd Qu.:163.8	3rd Qu.:16.00	17 : 12	
##	Max. :373.0	Max. :21.00	19 : 12	
##			(Other):506	

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

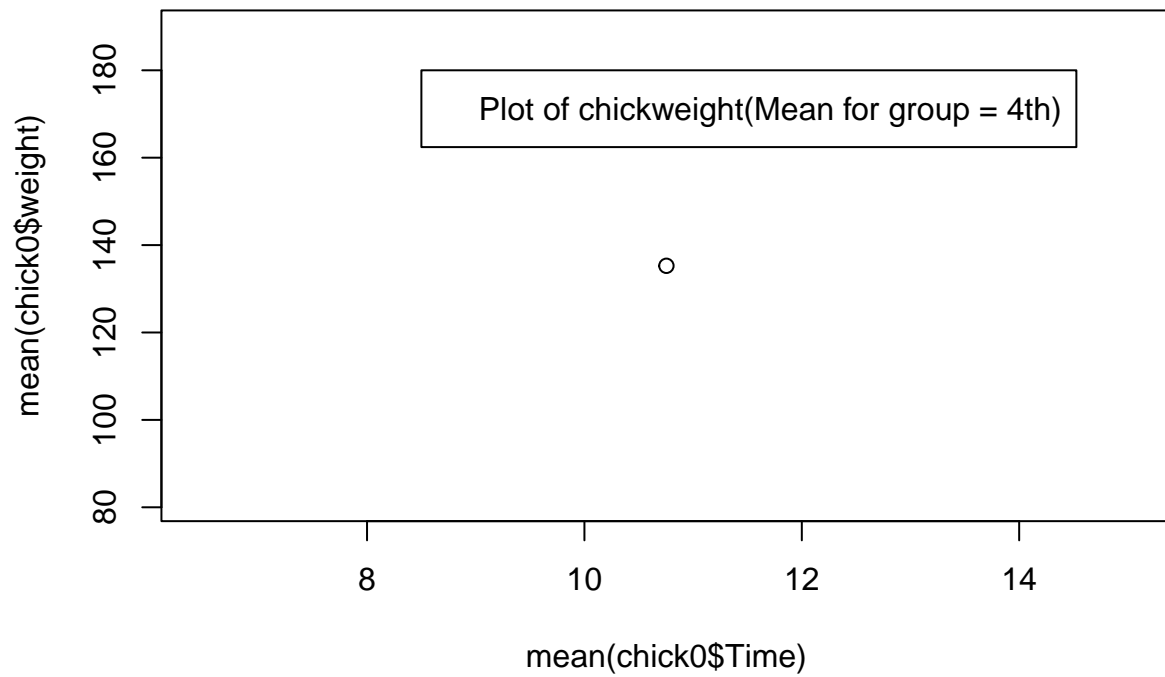


##Construct a plot of weight against time for chick number 34.

```
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)"))
```

