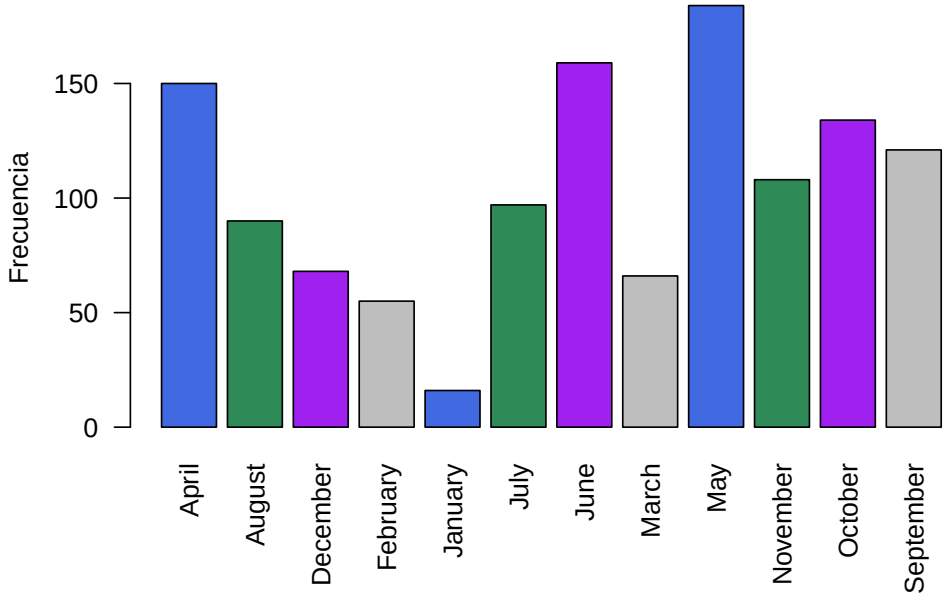
Análisis de Datos

Jenny Betsabé Vázquez Aguirre

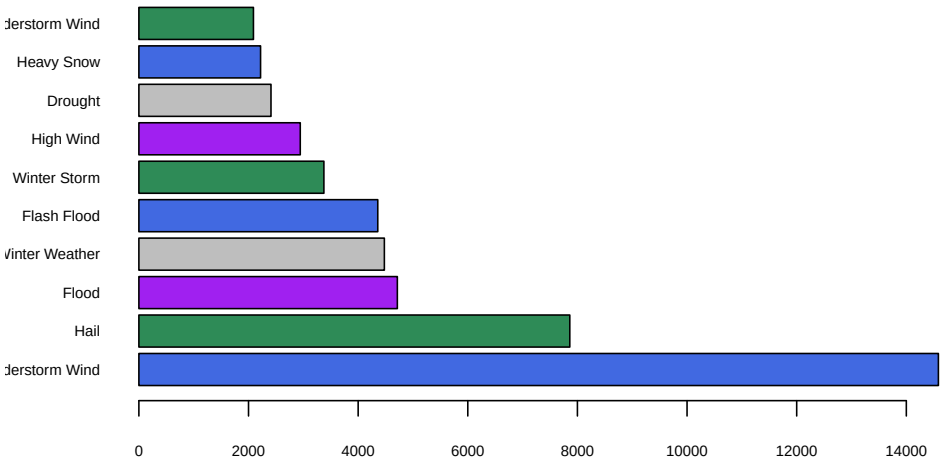
Lee base de datos y genera gráfico de barras para los Tornados por mes.

```
event <- read.csv("~/Downloads/StormEvents_2018.csv", header = TRUE)

tornado <- which(event$Event_Type=="Tornado")

plot(event[tornado,"Month"],ylab="Frecuencia",
     col= c("royalblue", "seagreen", "purple", "grey"),las=2)
```



Crea tabla de frecuencias de todos los tipos de eventos ordenados y grafica los 10 más altos.

```
eventos <- sort(table(event$Event_Type),decreasing = TRUE)

barplot(eventos[1:10],horiz = T,cex.names = .6,cex.axis = .6,
        col= c("royalblue", "seagreen", "purple", "grey"),las = 1)
```



Lee base hw1 e imprime el tipo de dato de cada variable.

```
library(dplyr)
```

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

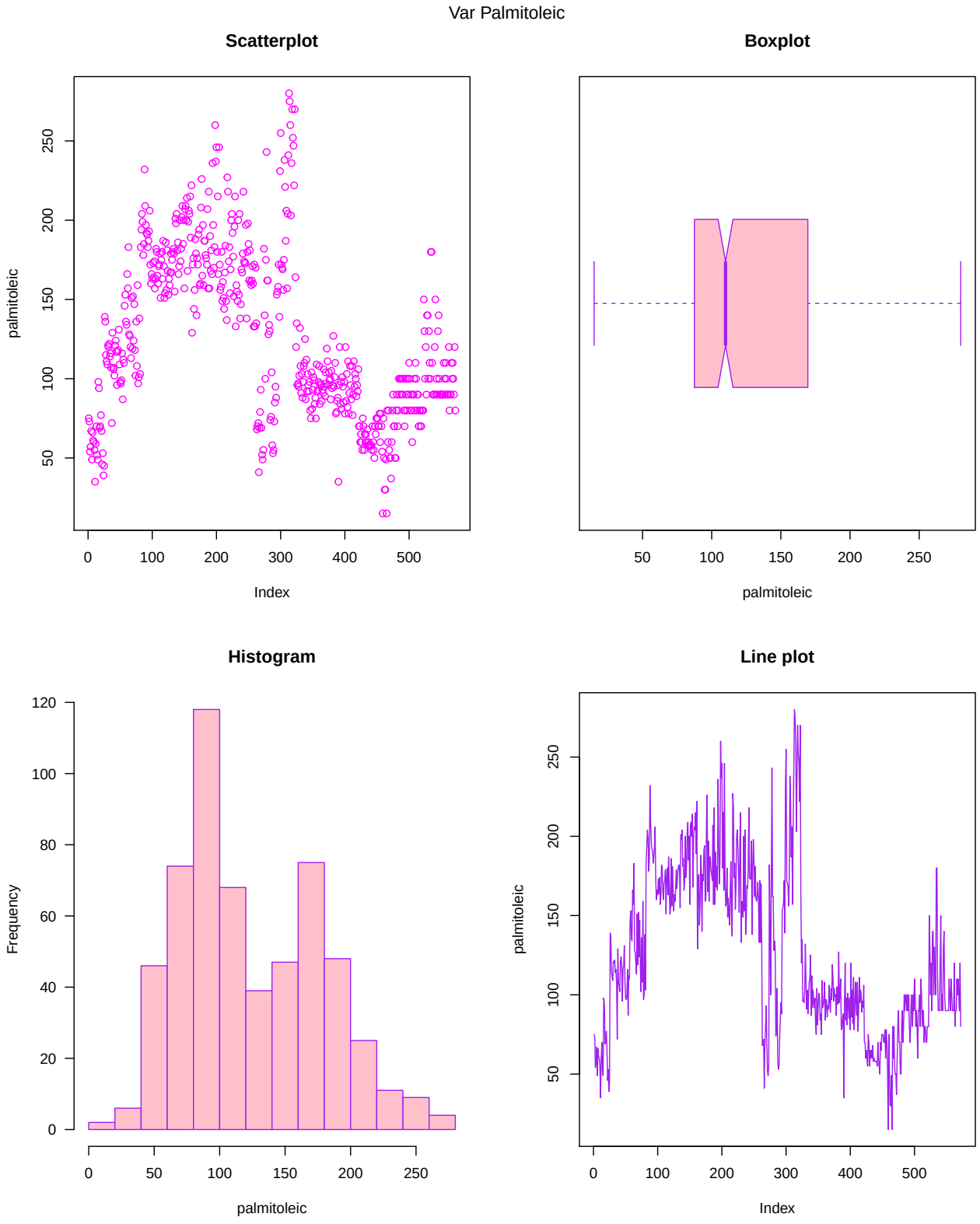
```
## The following objects are masked from 'package:stats':
##
##     filter, lag
```

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

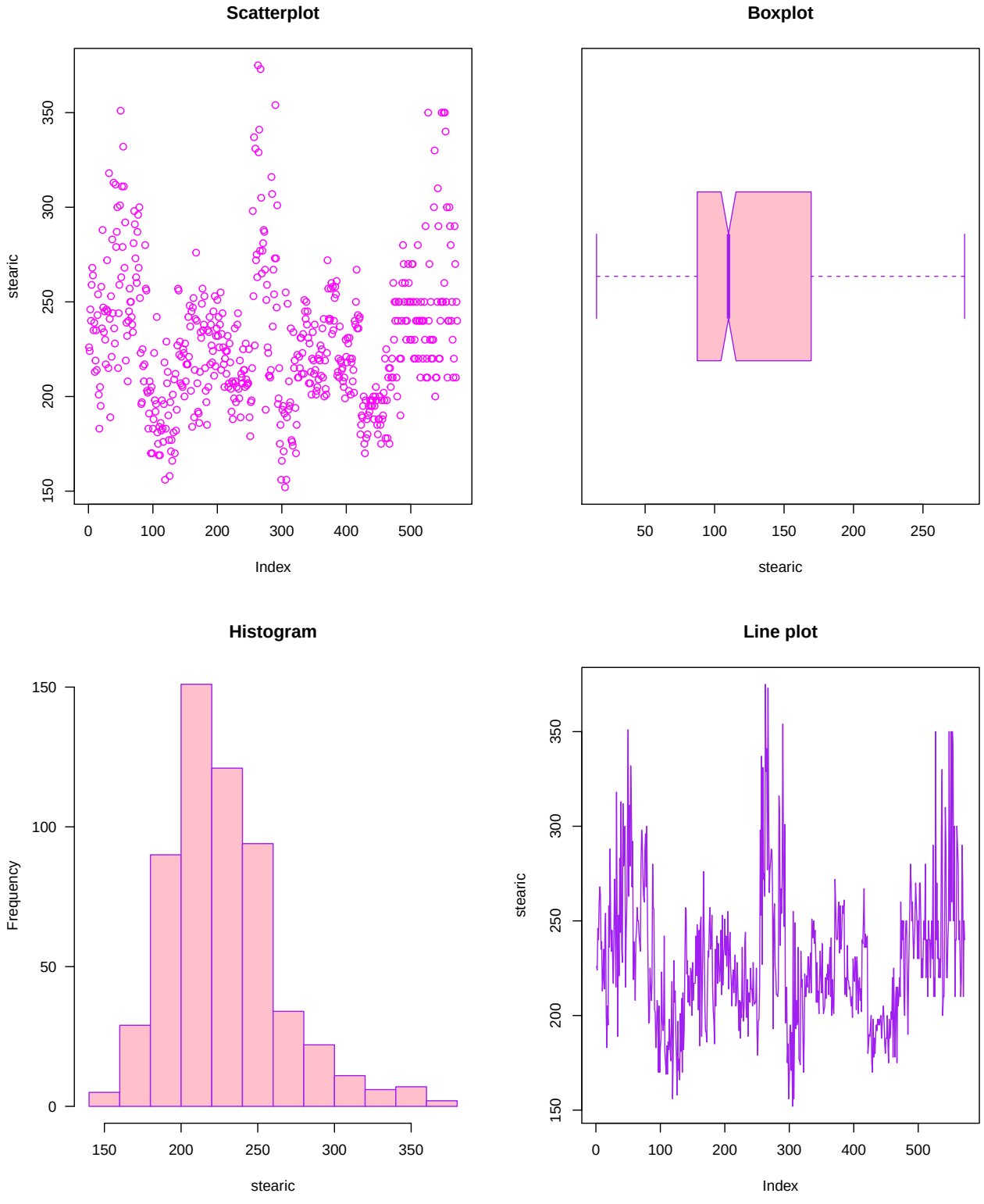
```
hw1 <- read.csv("~/Downloads/hw1.csv", header = TRUE)
t(as.matrix(hw1 %>% summarise_all(typeof)))
```

```
##             [,1]
## X           "integer"
## region      "integer"
## area        "integer"
## palmitic    "integer"
## palmitoleic "integer"
## stearic     "integer"
## oleic       "integer"
## linoleic    "integer"
## linolenic   "integer"
## arachidic   "integer"
## eicosenoic  "integer"
```

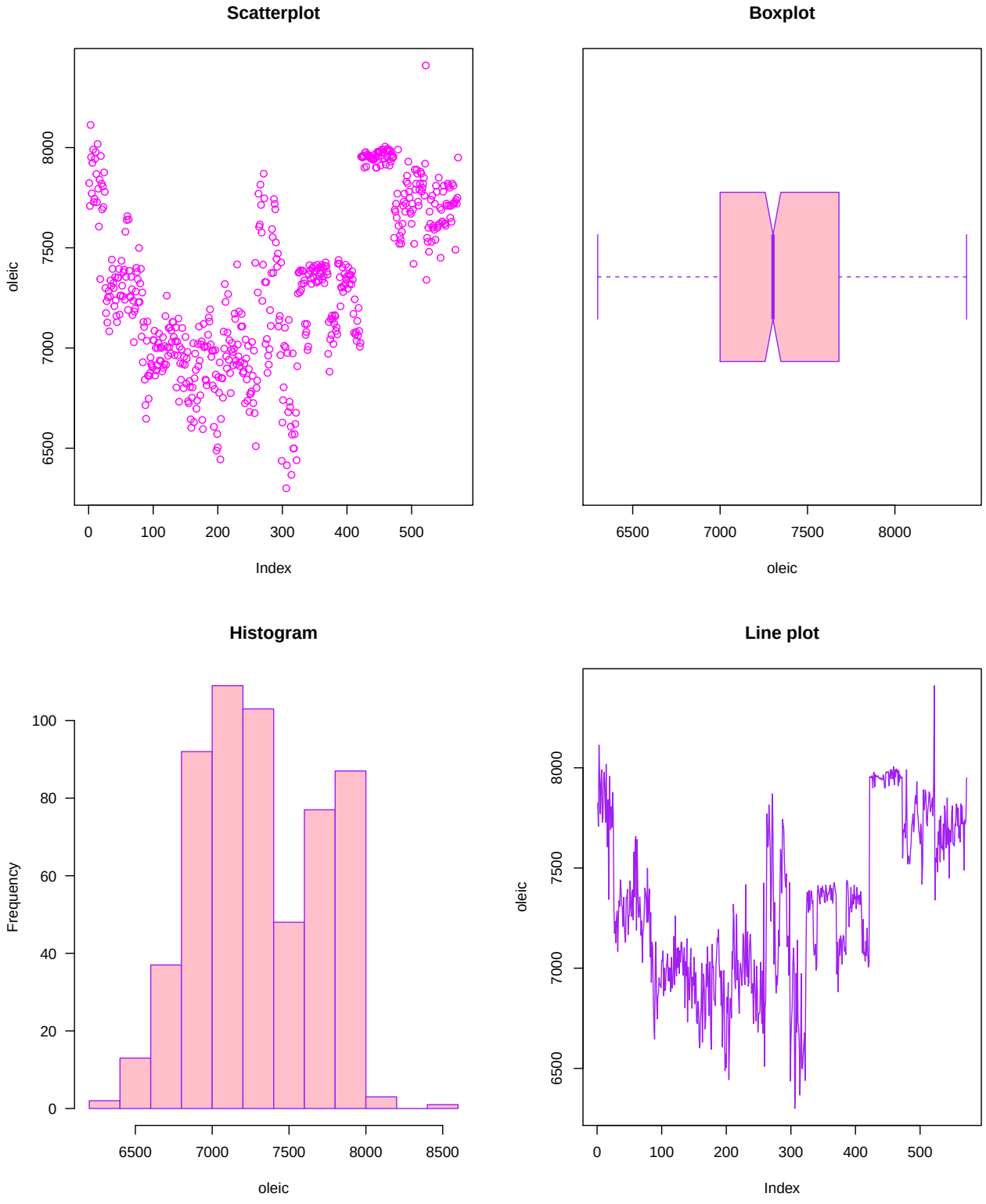
Gráficas univariadas para las variables 5-11.



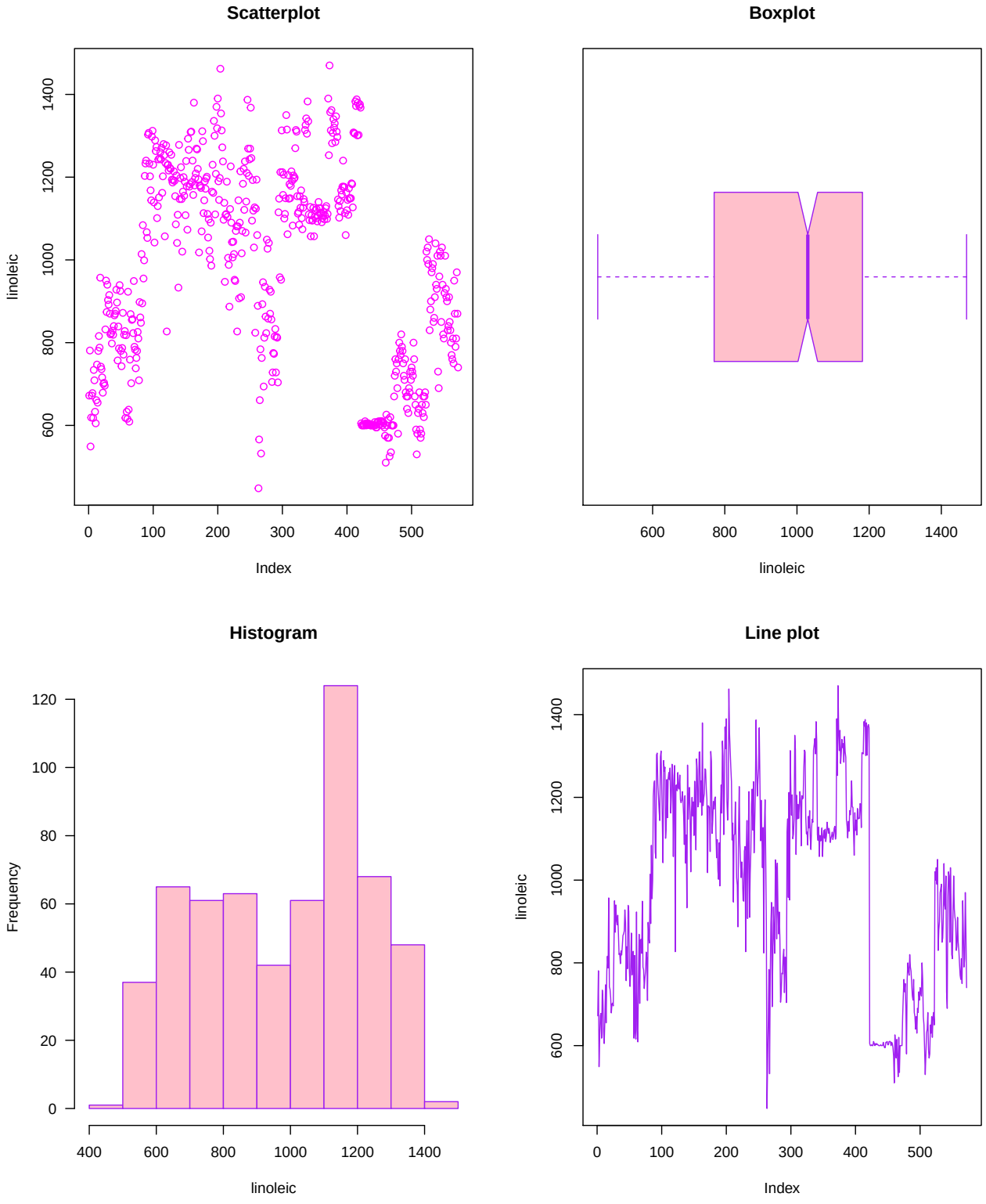
Var Stearic


Scatterplot
stearic
Index
Boxplot
stearic
Histogram
Frequency
stearic
Line plot
stearic
Index

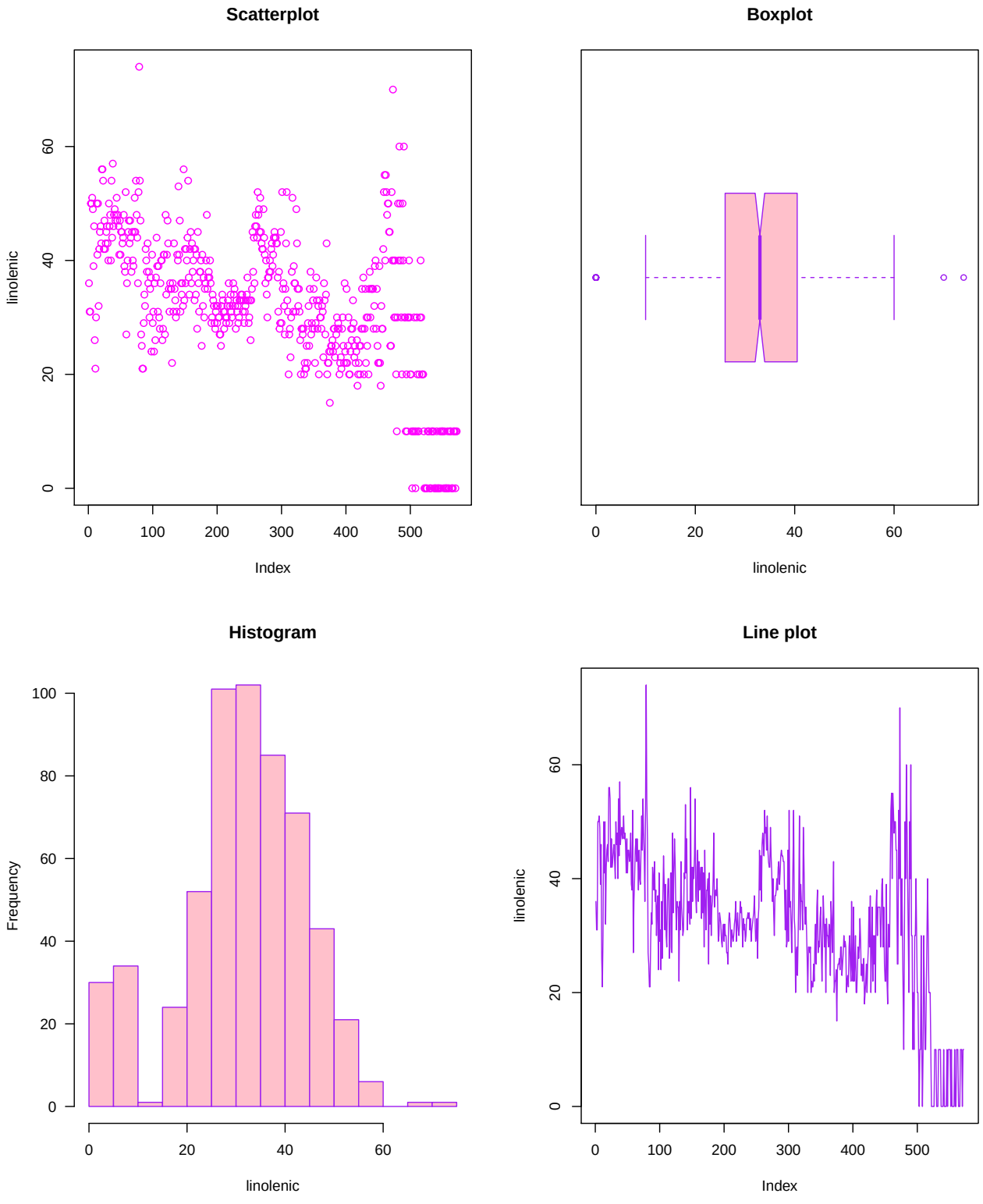
Var Oleic


Scatterplot
oleic
Index
Boxplot
oleic
Histogram
Frequency
oleic
Line plot
oleic
Index

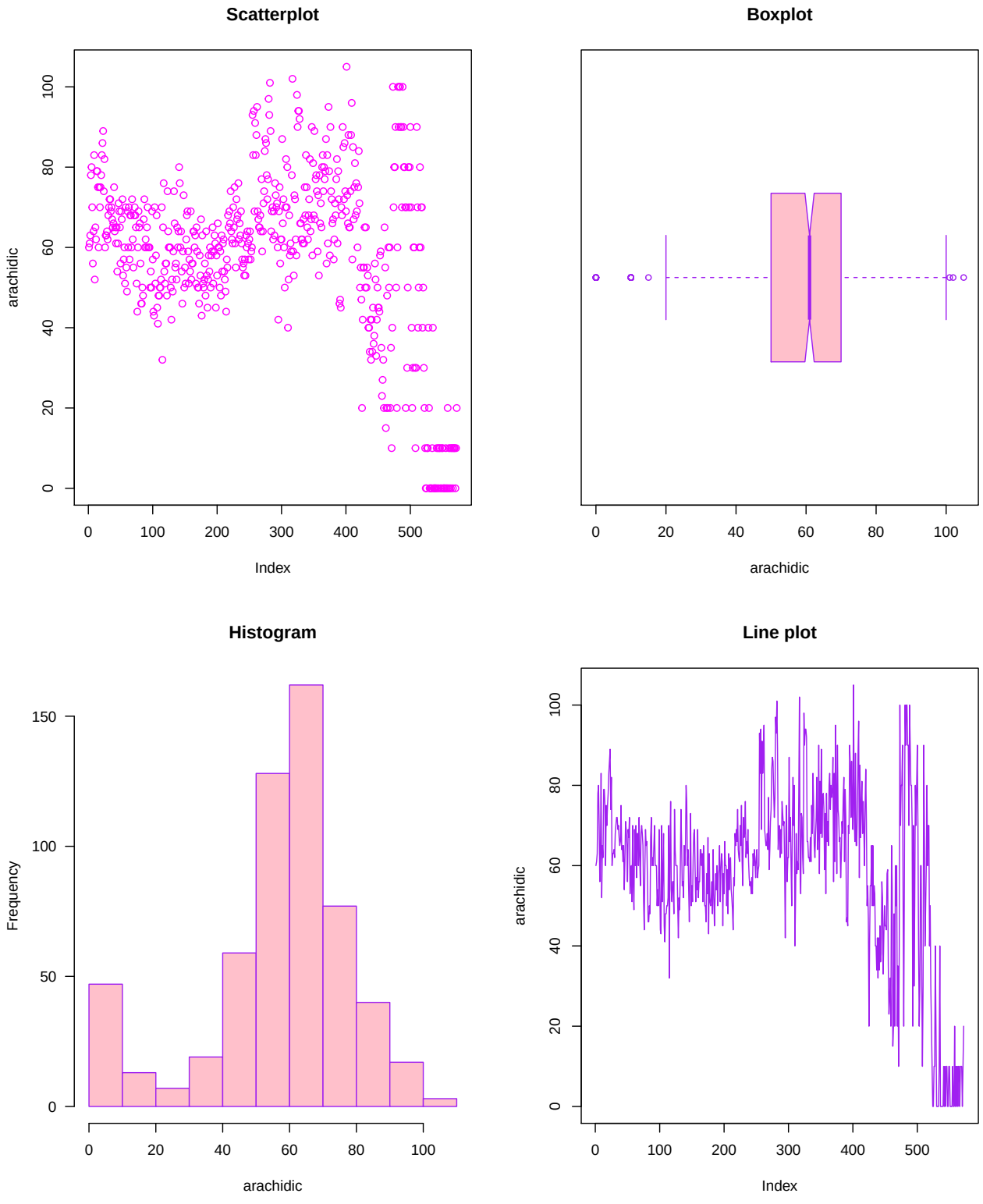
Var Linoleic



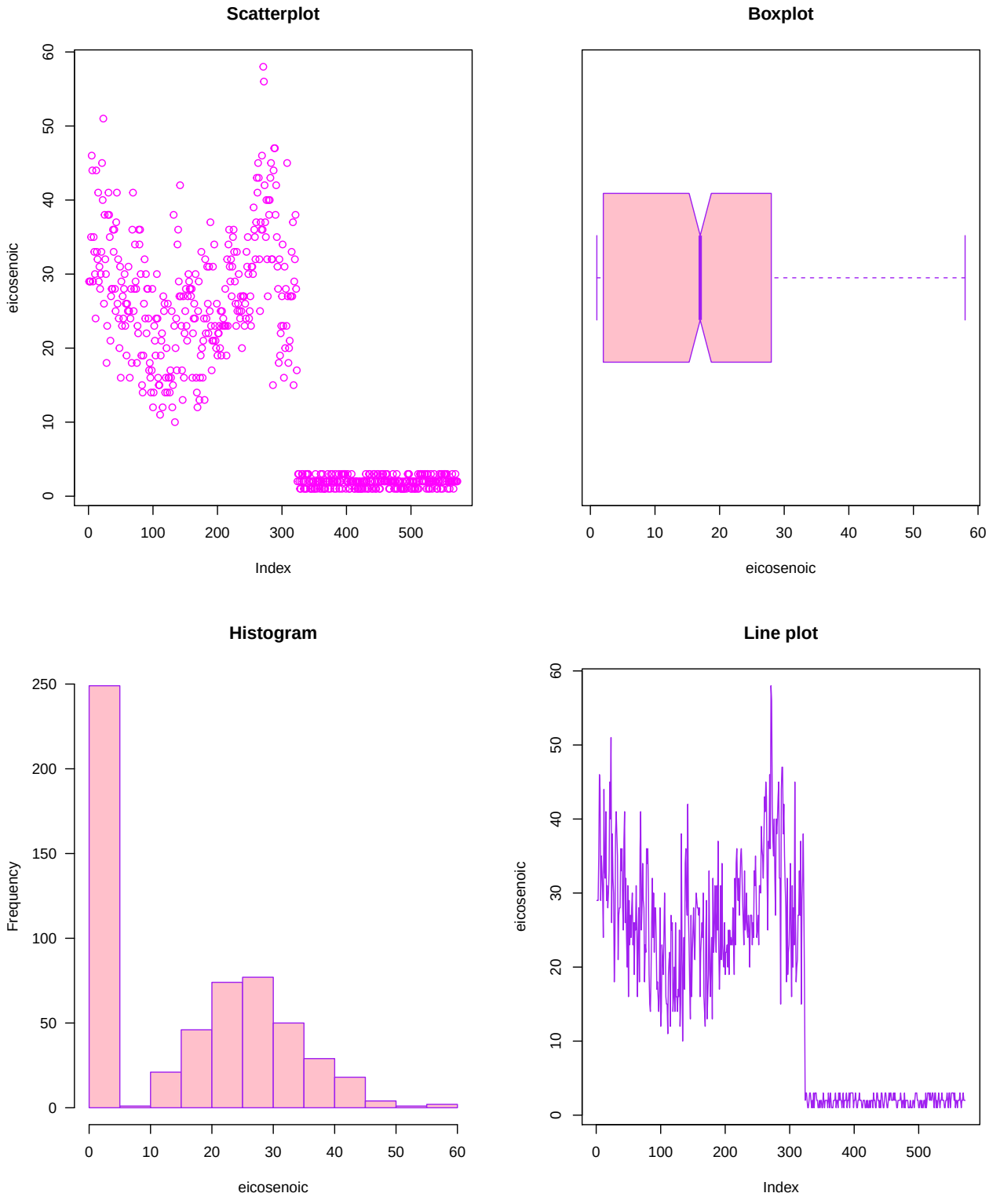
Var Linolenic



Var Arachidic



Var Eicosenoic



Gráfica multivariada para las variables 5-11.