

# Tarea\_diplomado\_Paula

Paula Celis Plá

2022-09-27

## Summary

```
summary(cars)
```

```
##      speed      dist
##  Min.   : 4.0    Min.   : 2.00
##  1st Qu.:12.0    1st Qu.: 26.00
##  Median :15.0    Median : 36.00
##  Mean   :15.4    Mean   : 42.98
##  3rd Qu.:19.0    3rd Qu.: 56.00
##  Max.   :25.0    Max.   :120.00
```

## Variables categoricas Seasons, time, hours y replicate asigna factor

```
Datos_Proyecto <- read_excel("Datos_Proyecto.xlsx")
summary(Datos_Proyecto)
```

```
##      Seasons      time      hours      Replicate
## Length:108      Length:108      Length:108      Length:108
## Class :character Class :character Class :character Class :character
## Mode  :character Mode  :character Mode  :character Mode  :character
##
##
##
##      Chla      Chlc      Car      PC
##  Min.   :0.6730  Min.   :0.01000  Min.   :0.4190  Min.   : 4.600
##  1st Qu.:0.9888  1st Qu.:0.06775  1st Qu.:0.6240  1st Qu.: 9.953
##  Median :1.1660  Median :0.09500  Median :0.7520  Median :13.815
##  Mean   :1.1856  Mean   :0.09365  Mean   :0.7557  Mean   :15.153
##  3rd Qu.:1.3813  3rd Qu.:0.10975  3rd Qu.:0.8780  3rd Qu.:18.990
##  Max.   :1.9690  Max.   :0.22100  Max.   :1.2080  Max.   :37.340
##      DPPH      C      N      Ratio
##  Min.   : 3.792  Min.   :198.8  Min.   :16.86  Min.   : 9.062
##  1st Qu.: 6.539  1st Qu.:287.3  1st Qu.:21.92  1st Qu.:10.644
##  Median : 7.769  Median :298.9  Median :23.53  Median :12.858
##  Mean   : 7.444  Mean   :297.6  Mean   :24.44  Mean   :12.409
##  3rd Qu.: 8.433  3rd Qu.:308.3  3rd Qu.:26.80  3rd Qu.:13.720
##  Max.   :10.097  Max.   :350.9  Max.   :35.88  Max.   :16.370
##      Nitrato      Fosfato      Temperature      pH
##  Min.   : 0.900  Min.   :0.5467  Min.   :11.54  Min.   :7.620
##  1st Qu.: 3.025  1st Qu.:0.9450  1st Qu.:12.29  1st Qu.:7.850
##  Median : 7.050  Median :1.2500  Median :12.88  Median :7.960
```

```
## Mean : 8.887 Mean :1.3568 Mean :13.98 Mean :7.982
## 3rd Qu.:13.750 3rd Qu.:1.8400 3rd Qu.:15.35 3rd Qu.:8.150
## Max. :30.600 Max. :2.5000 Max. :18.02 Max. :8.500
## Salinity PAR UVA UVB
## Min. :16.44 Min. : 9.768 Min. : 1.100 Min. :0.100
## 1st Qu.:29.62 1st Qu.: 196.000 1st Qu.: 2.275 1st Qu.:0.350
## Median :34.10 Median : 525.793 Median : 3.650 Median :0.500
## Mean :30.49 Mean : 569.983 Mean : 5.749 Mean :0.525
## 3rd Qu.:34.63 3rd Qu.: 764.500 3rd Qu.: 5.600 3rd Qu.:0.500
## Max. :34.90 Max. :1921.000 Max. :24.600 Max. :1.500
```

## Transforma variables a factores

```
Datos_Proyecto$Seasons <- as.factor(Datos_Proyecto$Seasons)
Datos_Proyecto$time <- as.factor(Datos_Proyecto$time)
Datos_Proyecto$hours <- as.factor(Datos_Proyecto$hours)
Datos_Proyecto$Replicate <- as.factor(Datos_Proyecto$Replicate)
summary(Datos_Proyecto)
```

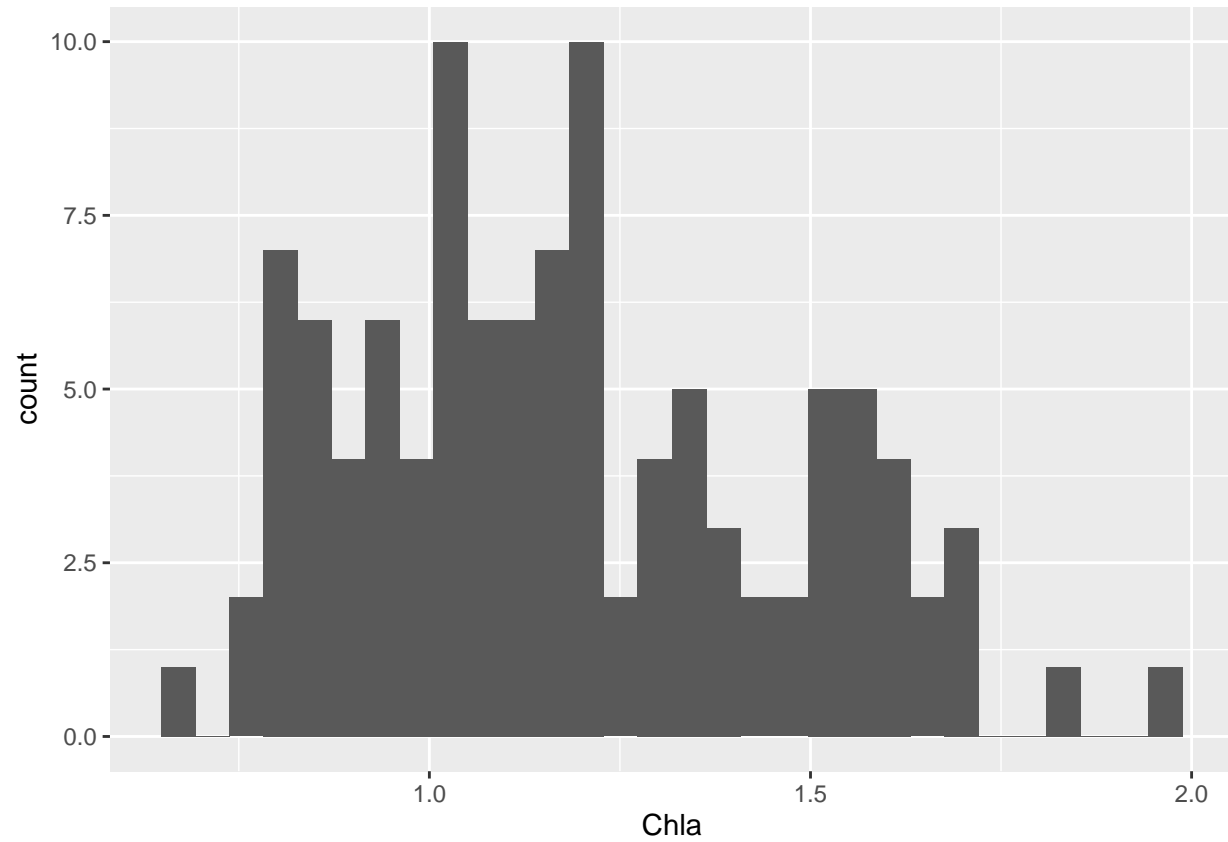
```
## Seasons time hours Replicate Chla
## Autumn:27 day 1:36 hora 1:36 R1:36 Min. :0.6730
## Spring:27 day 2:36 hora 2:36 R2:36 1st Qu.:0.9888
## Summer:27 day 3:36 hora 3:36 R3:36 Median :1.1660
## Winter:27 Mean :1.1856
## 3rd Qu.:1.3813
## Max. :1.9690
## Chlc Car PC DPPH
## Min. :0.01000 Min. :0.4190 Min. : 4.600 Min. : 3.792
## 1st Qu.:0.06775 1st Qu.:0.6240 1st Qu.: 9.953 1st Qu.: 6.539
## Median :0.09500 Median :0.7520 Median :13.815 Median : 7.769
## Mean :0.09365 Mean :0.7557 Mean :15.153 Mean : 7.444
## 3rd Qu.:0.10975 3rd Qu.:0.8780 3rd Qu.:18.990 3rd Qu.: 8.433
## Max. :0.22100 Max. :1.2080 Max. :37.340 Max. :10.097
## C N Ratio Nitrate
## Min. :198.8 Min. :16.86 Min. : 9.062 Min. : 0.900
## 1st Qu.:287.3 1st Qu.:21.92 1st Qu.:10.644 1st Qu.: 3.025
## Median :298.9 Median :23.53 Median :12.858 Median : 7.050
## Mean :297.6 Mean :24.44 Mean :12.409 Mean : 8.887
## 3rd Qu.:308.3 3rd Qu.:26.80 3rd Qu.:13.720 3rd Qu.:13.750
## Max. :350.9 Max. :35.88 Max. :16.370 Max. :30.600
## Fosfato Temperature pH Salinity
## Min. :0.5467 Min. :11.54 Min. :7.620 Min. :16.44
## 1st Qu.:0.9450 1st Qu.:12.29 1st Qu.:7.850 1st Qu.:29.62
## Median :1.2500 Median :12.88 Median :7.960 Median :34.10
## Mean :1.3568 Mean :13.98 Mean :7.982 Mean :30.49
## 3rd Qu.:1.8400 3rd Qu.:15.35 3rd Qu.:8.150 3rd Qu.:34.63
## Max. :2.5000 Max. :18.02 Max. :8.500 Max. :34.90
## PAR UVA UVB
## Min. : 9.768 Min. : 1.100 Min. :0.100
## 1st Qu.: 196.000 1st Qu.: 2.275 1st Qu.:0.350
## Median : 525.793 Median : 3.650 Median :0.500
## Mean : 569.983 Mean : 5.749 Mean :0.525
## 3rd Qu.: 764.500 3rd Qu.: 5.600 3rd Qu.:0.500
## Max. :1921.000 Max. :24.600 Max. :1.500
```

## Including Plots

### 3. Histogramas

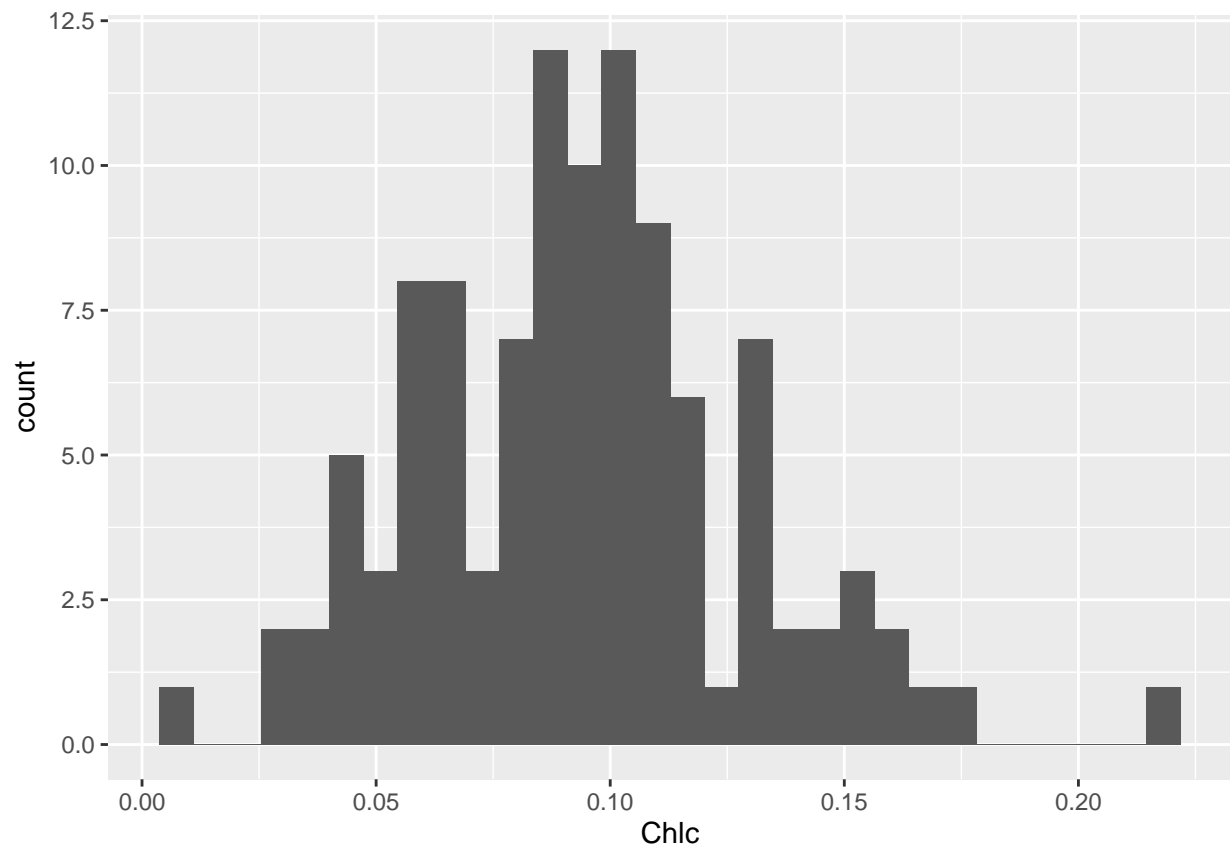
```
ggplot(Datos_Proyecto, aes(Chla)) + geom_histogram()
```

```
## `stat_bin()` using `bins = 30`. Pick better value with `binwidth`.
```



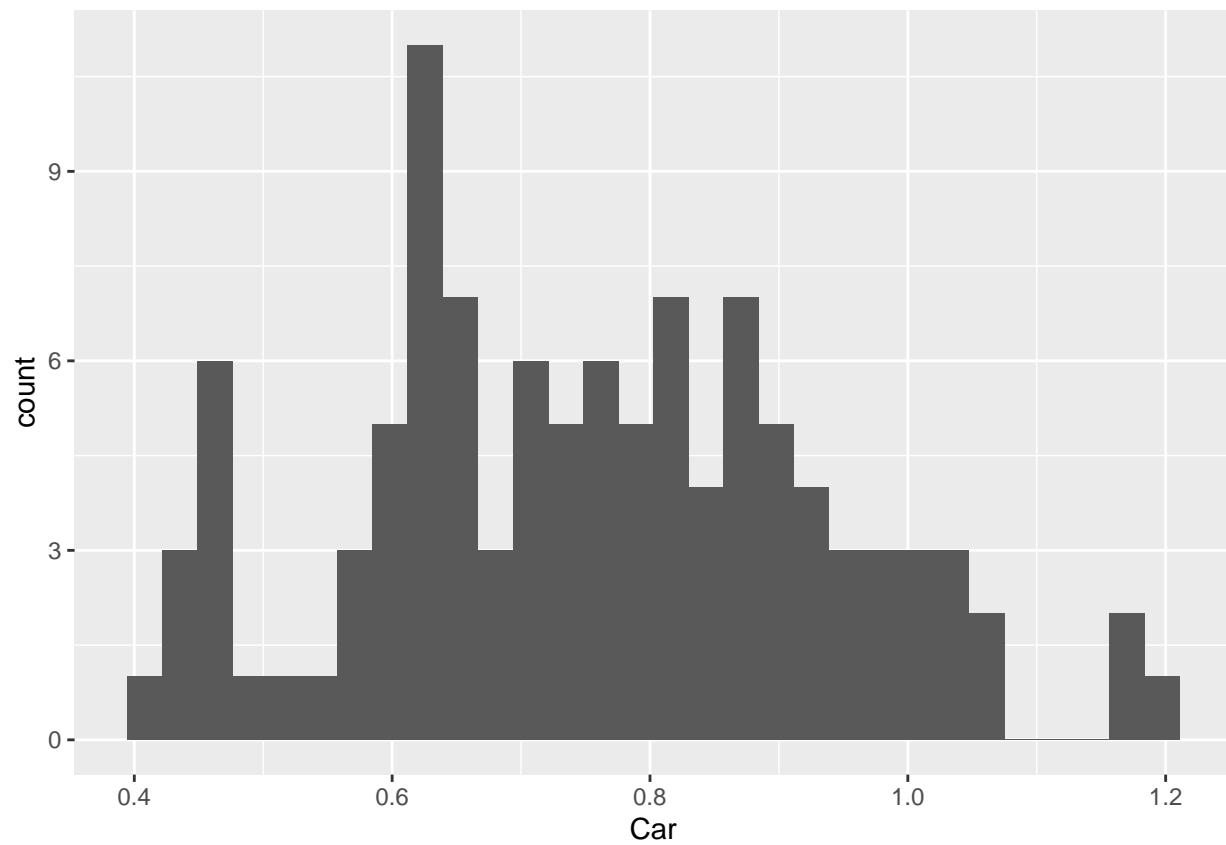
```
ggplot(Datos_Proyecto, aes(Chlc)) + geom_histogram()
```

```
## `stat_bin()` using `bins = 30`. Pick better value with `binwidth`.
```



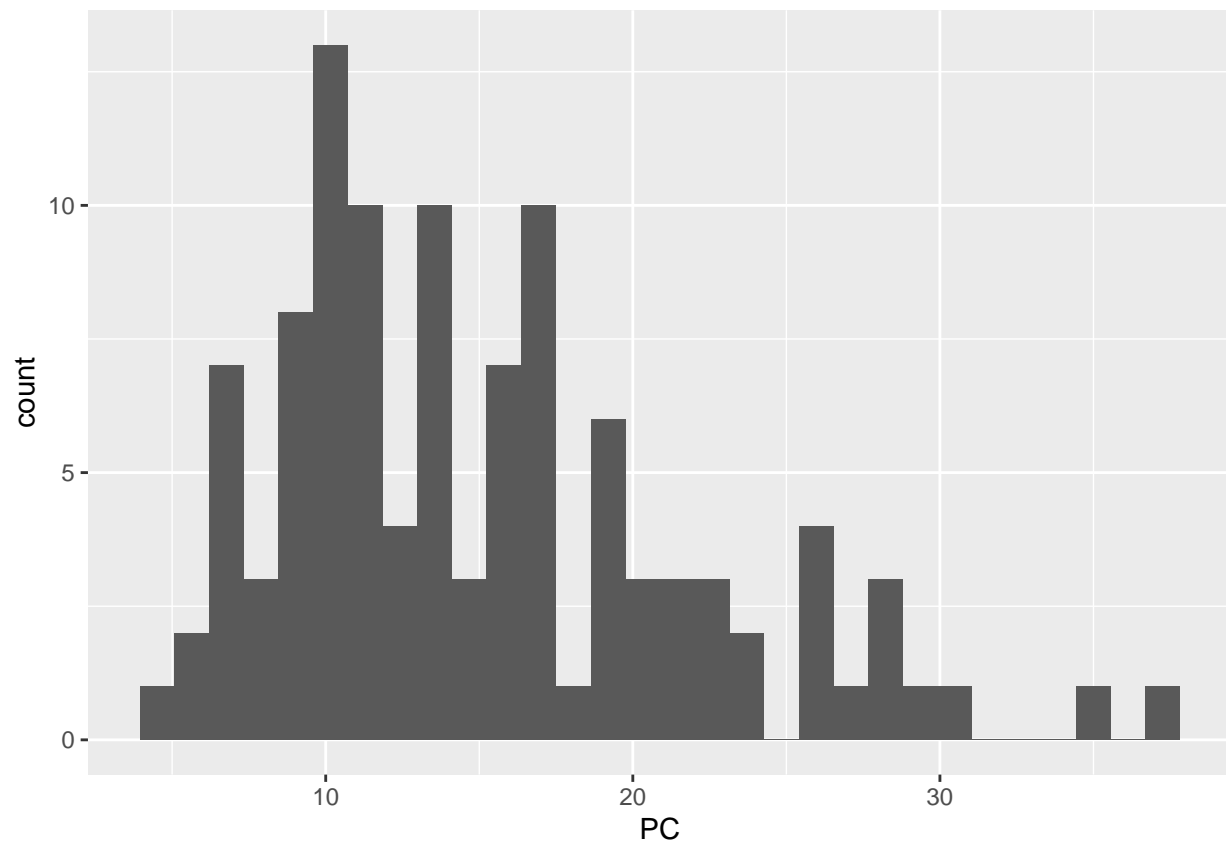
```
ggplot(Datos_Proyecto, aes(Car)) + geom_histogram()
```

```
## `stat_bin()` using `bins = 30`. Pick better value with `binwidth`.
```



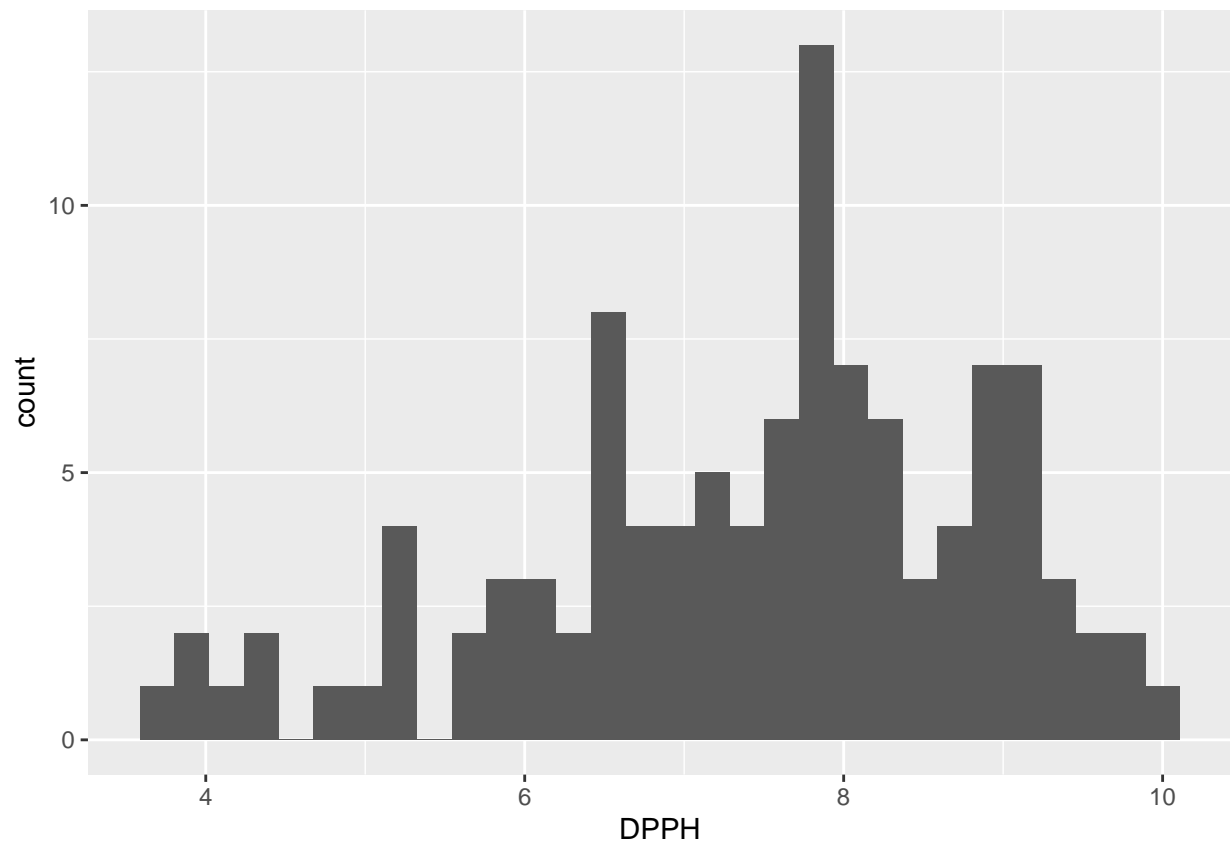
```
ggplot(Datos_Proyecto, aes(PC)) + geom_histogram()
```

```
## `stat_bin()` using `bins = 30`. Pick better value with `binwidth`.
```



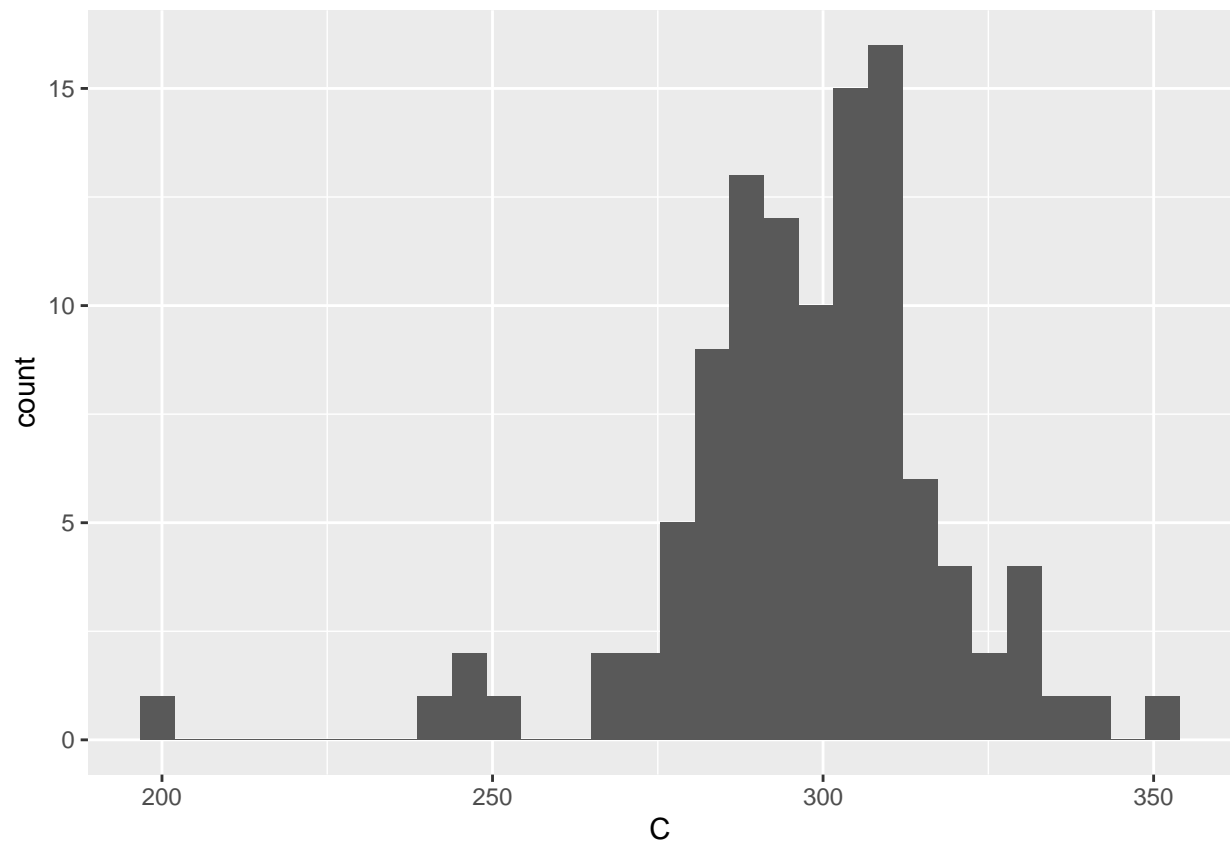
```
ggplot(Datos_Proyecto, aes(DPPH)) + geom_histogram()
```

```
## `stat_bin()` using `bins = 30`. Pick better value with `binwidth`.
```



```
ggplot(Datos_Proyecto, aes(C)) + geom_histogram()
```

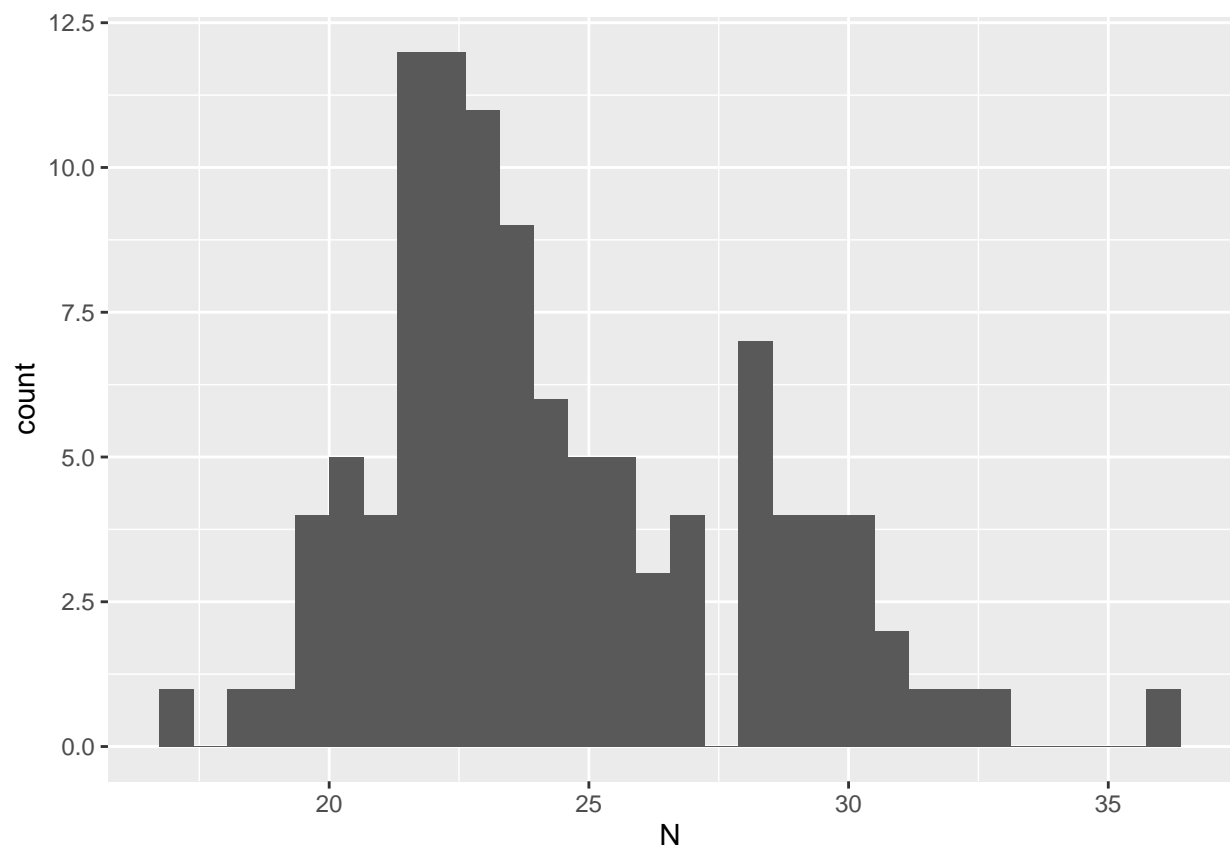
```
## `stat_bin()` using `bins = 30`. Pick better value with `binwidth`.
```



```
ggplot(Datos_Proyecto, aes(N)) + geom_histogram()
```

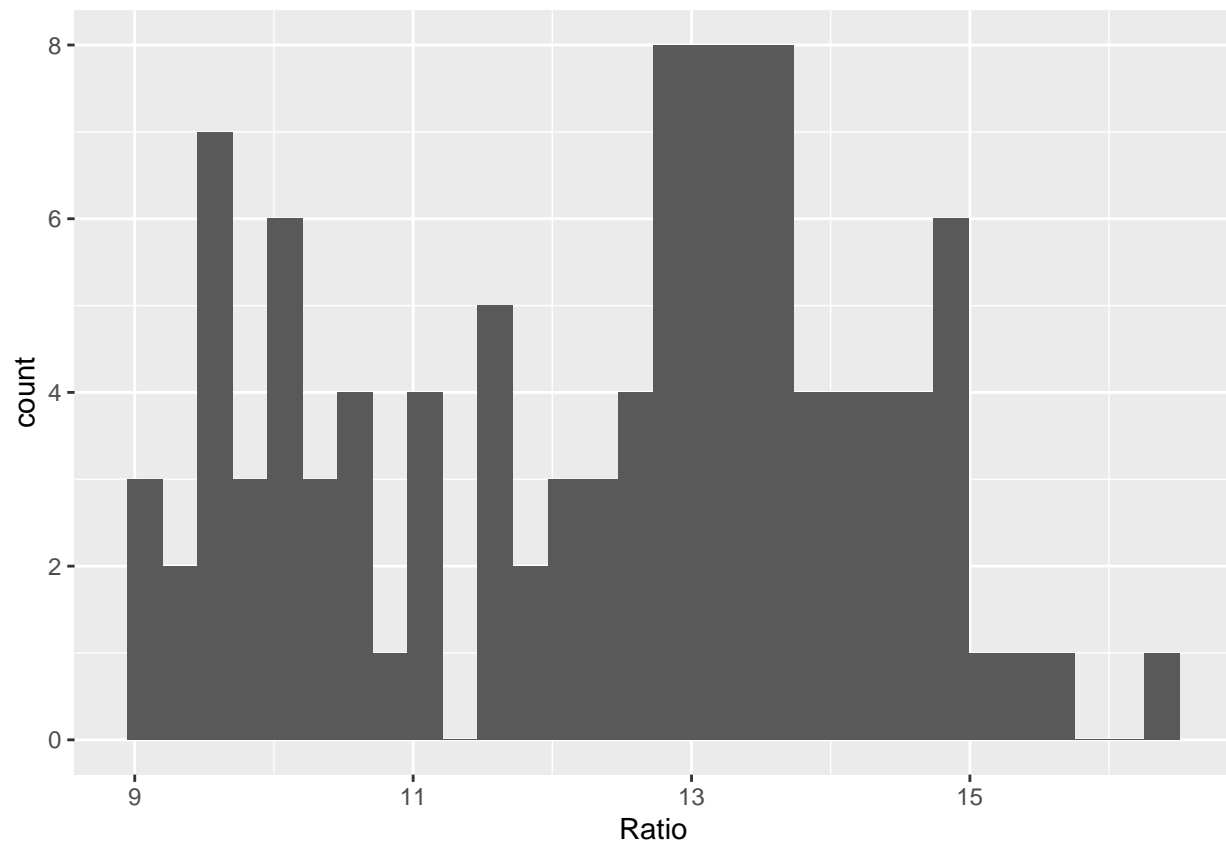
```
## `stat_bin()` using `bins = 30`. Pick better value with `binwidth`.
```





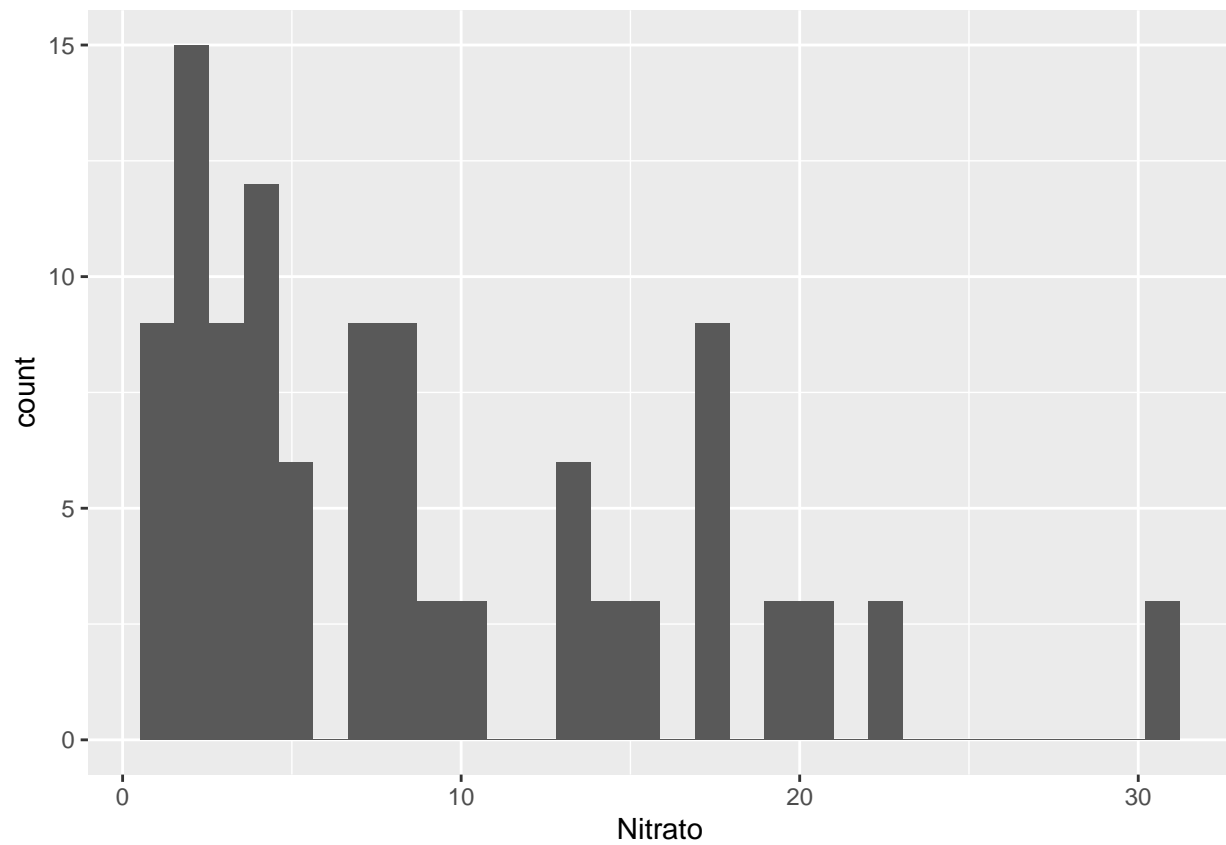
```
ggplot(Datos_Proyecto, aes(Ratio)) + geom_histogram()
```

```
## `stat_bin()` using `bins = 30`. Pick better value with `binwidth`.
```



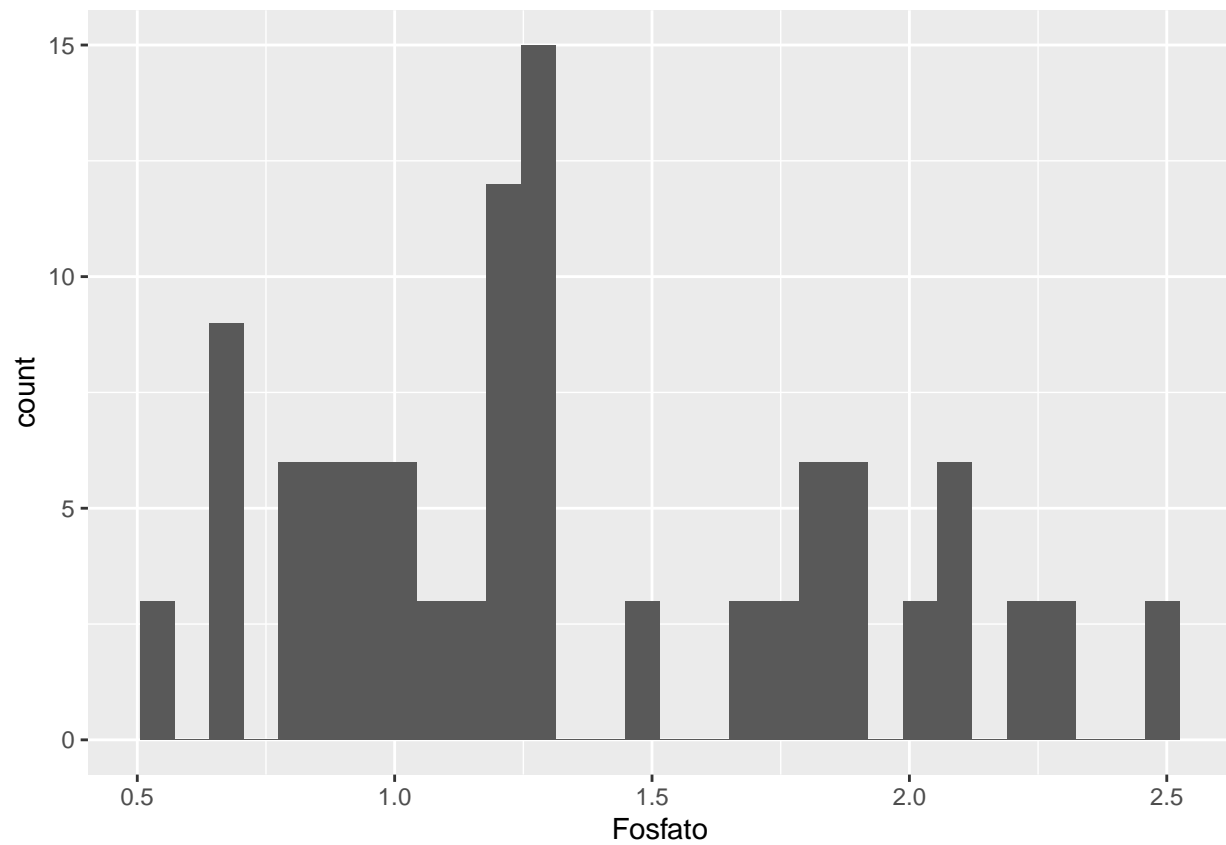
```
ggplot(Datos_Proyecto, aes(Nitrato)) + geom_histogram()
```

```
## `stat_bin()` using `bins = 30`. Pick better value with `binwidth`.
```



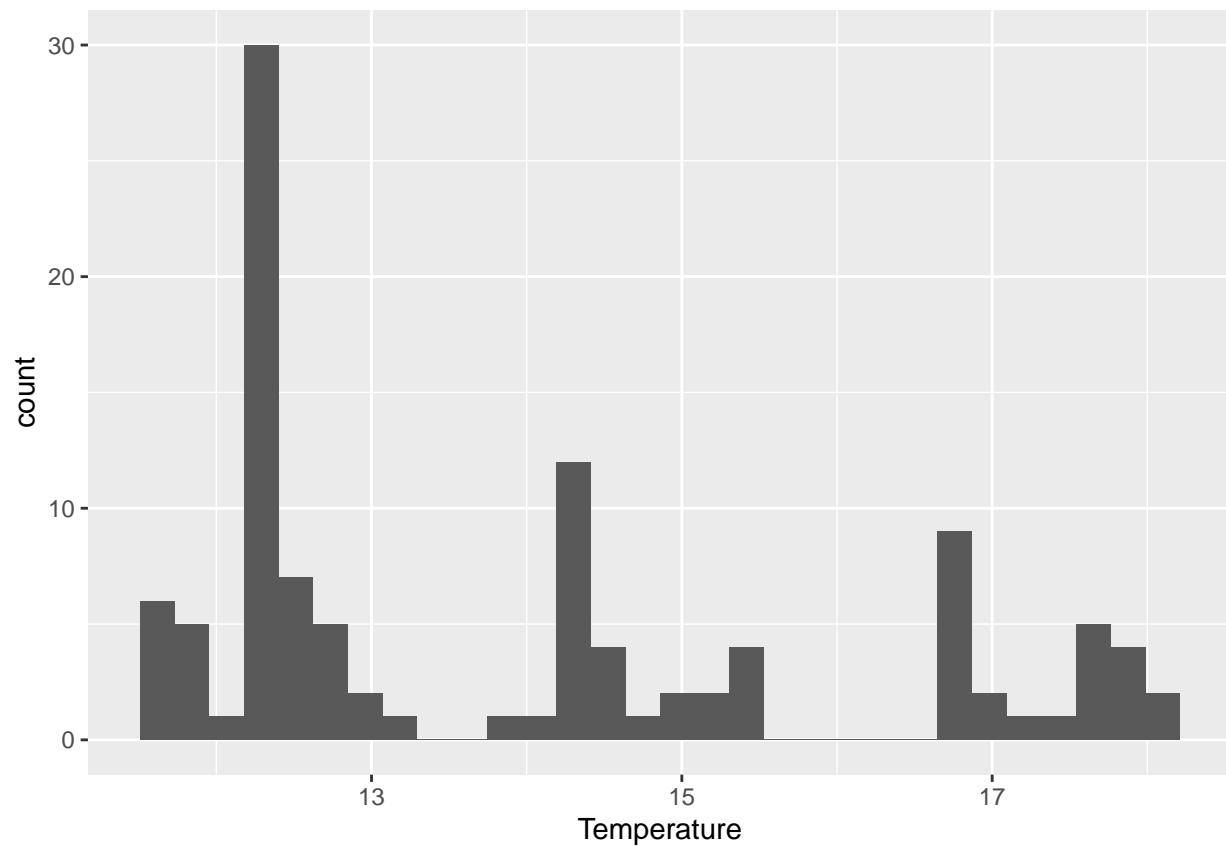
```
ggplot(Datos_Proyecto, aes(Fosfato)) + geom_histogram()
```

```
## `stat_bin()` using `bins = 30`. Pick better value with `binwidth`.
```



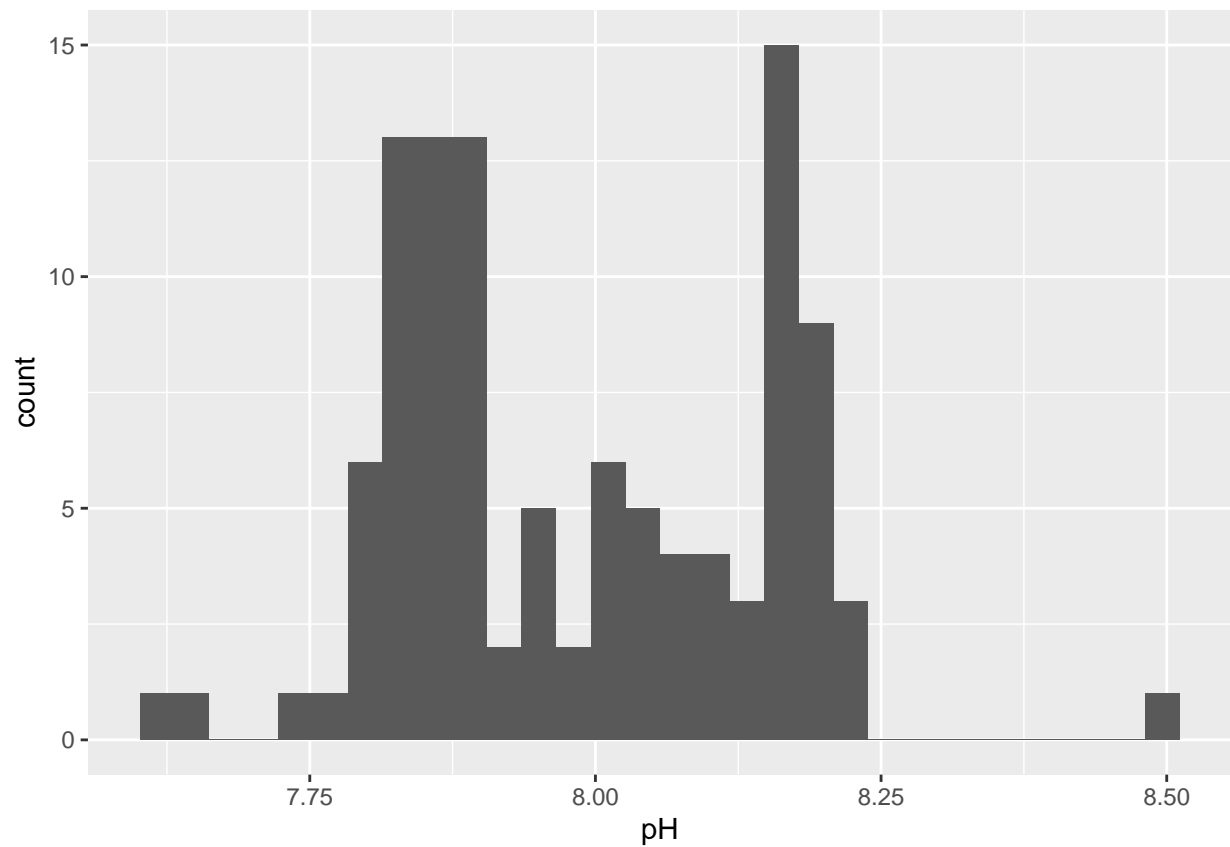
```
ggplot(Datos_Proyecto, aes(Temperature)) + geom_histogram()
```

```
## `stat_bin()` using `bins = 30`. Pick better value with `binwidth`.
```



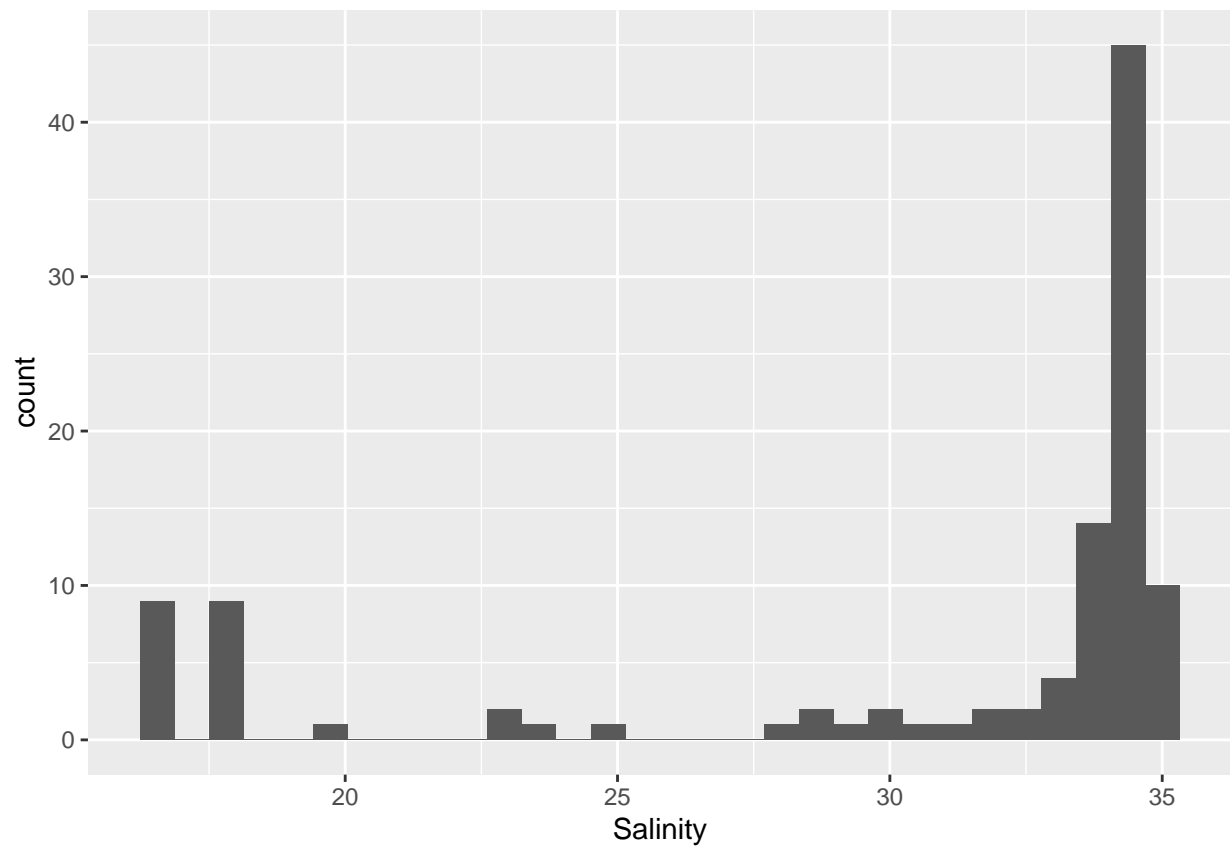
```
ggplot(Datos_Proyecto, aes(pH)) + geom_histogram()
```

```
## `stat_bin()` using `bins = 30`. Pick better value with `binwidth`.
```



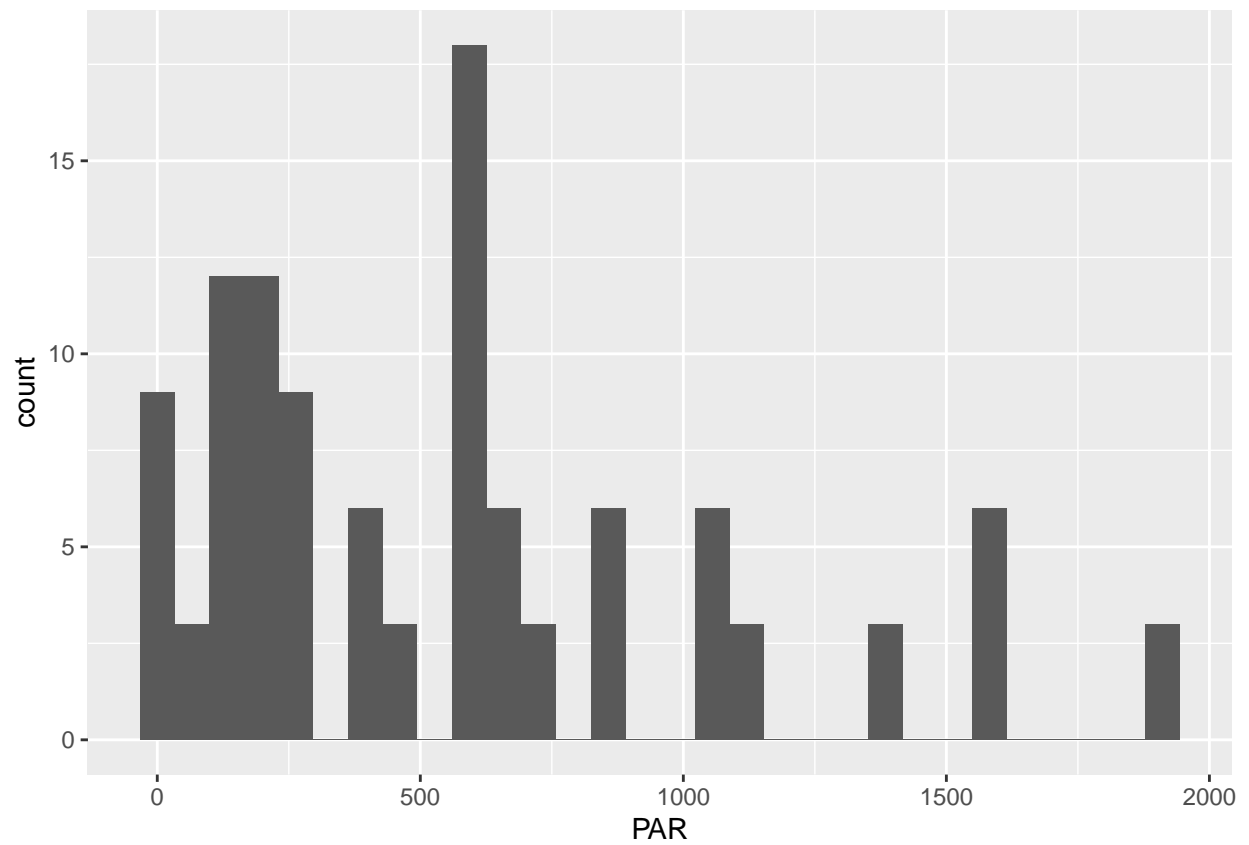
```
ggplot(Datos_Proyecto, aes(Salinity)) + geom_histogram()
```

```
## `stat_bin()` using `bins = 30`. Pick better value with `binwidth`.
```



```
ggplot(Datos_Proyecto, aes(PAR)) + geom_histogram()
```

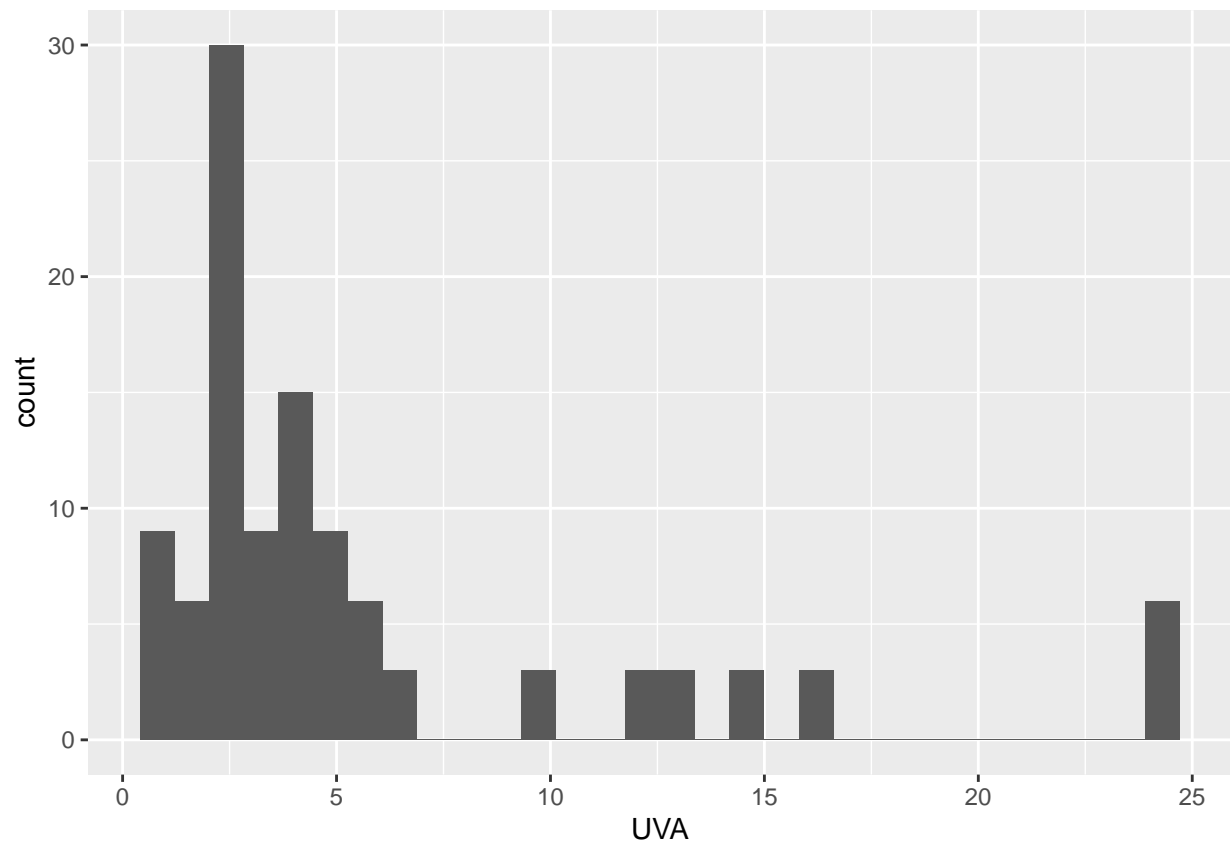
```
## `stat_bin()` using `bins = 30`. Pick better value with `binwidth`.
```



```
ggplot(Datos_Proyecto, aes(UVA)) + geom_histogram()
```

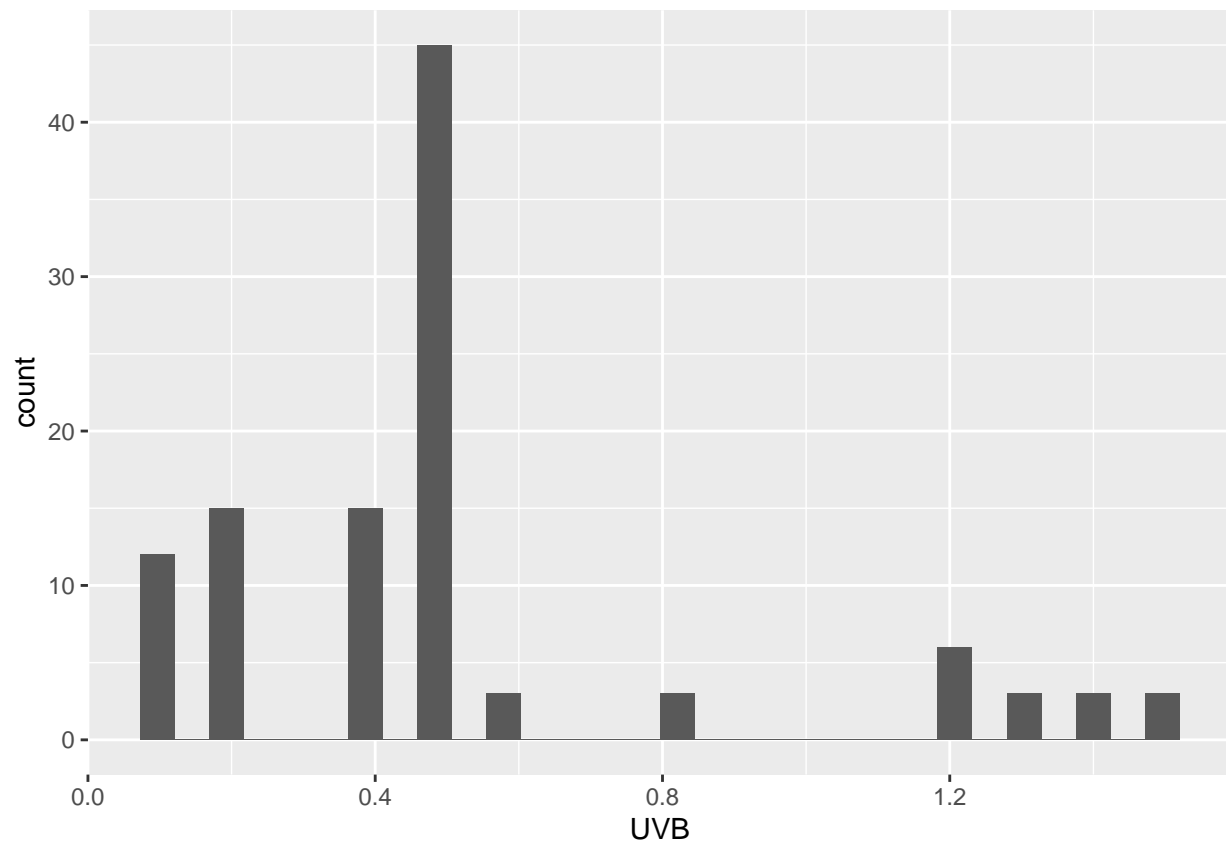
```
## `stat_bin()` using `bins = 30`. Pick better value with `binwidth`.
```





```
ggplot(Datos_Proyecto, aes(UVB)) + geom_histogram()
```

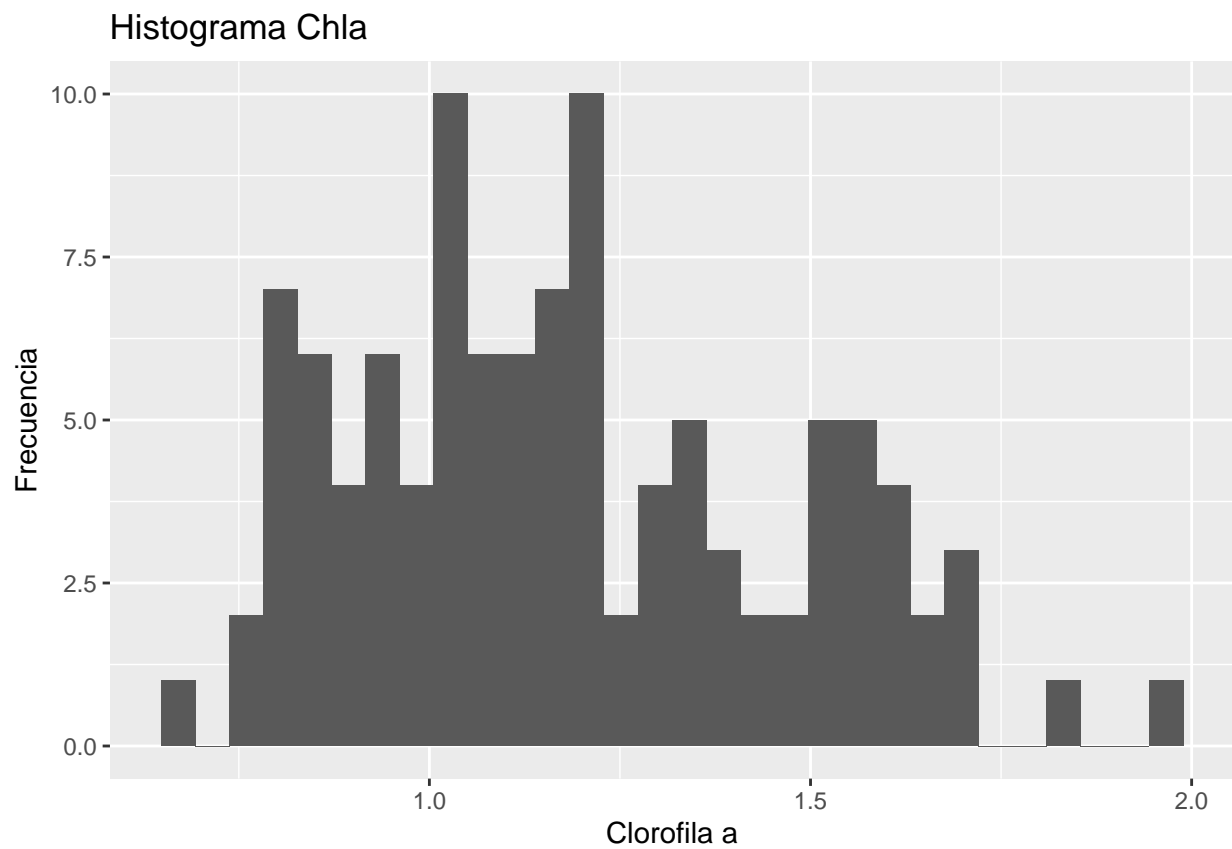
```
## `stat_bin()` using `bins = 30`. Pick better value with `binwidth`.
```



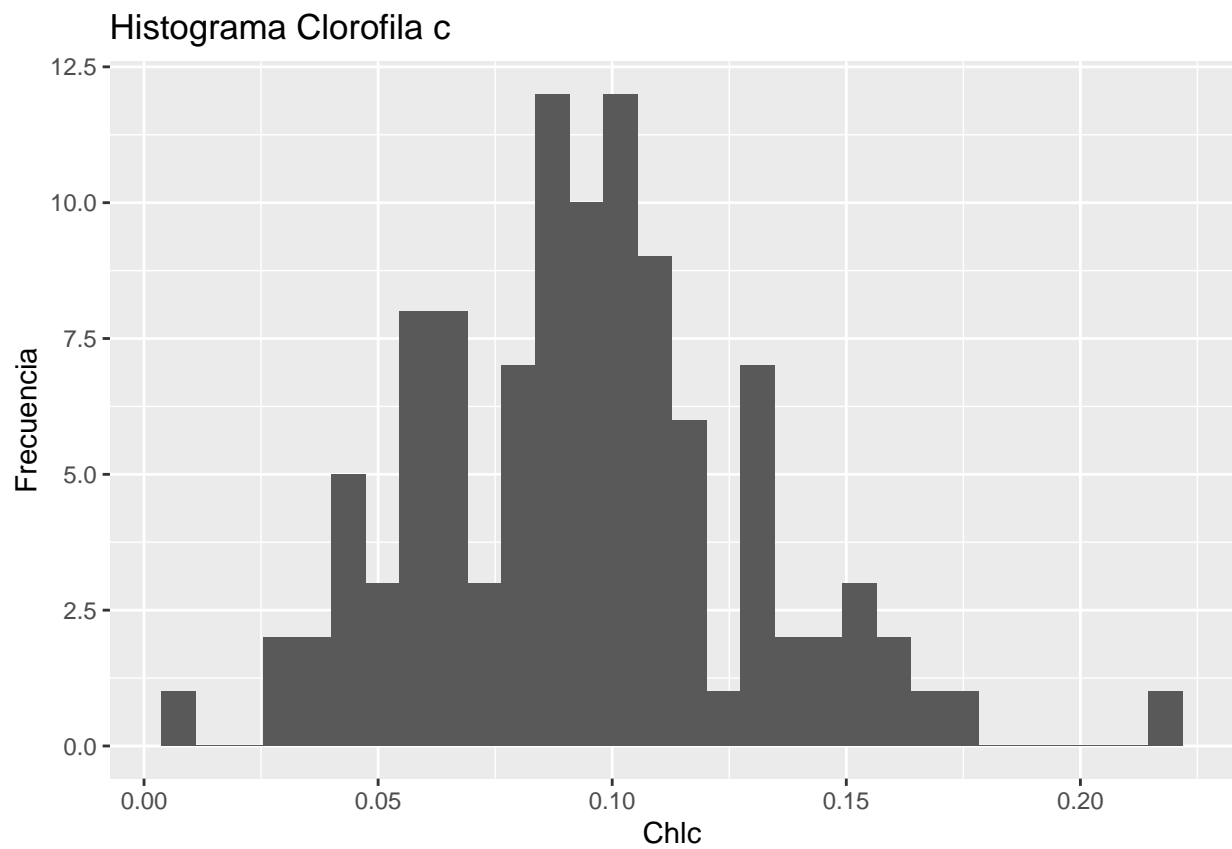
## 3. Histogramas con etiquetas y títulos

```
ggplot(Datos_Proyecto, aes(Chla)) + geom_histogram()+ labs(title="Histograma Chla", x="Clorofila a", y=
```

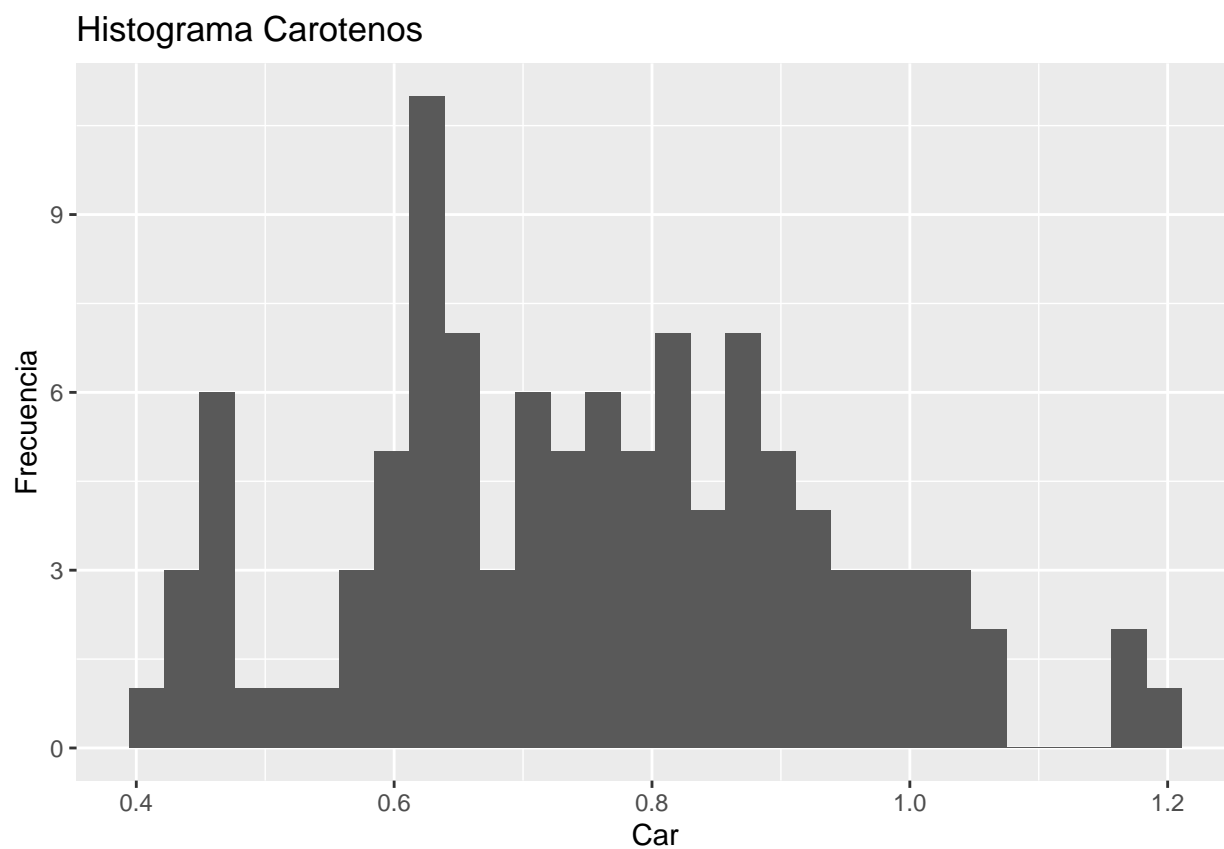
```
## `stat_bin()` using `bins = 30`. Pick better value with `binwidth`.
```



```
ggplot(Datos_Proyecto, aes(Chlc)) + geom_histogram()+ labs(title="Histograma Clorofila c", x="Chlc", y=
## `stat_bin()` using `bins = 30`. Pick better value with `binwidth`.
```

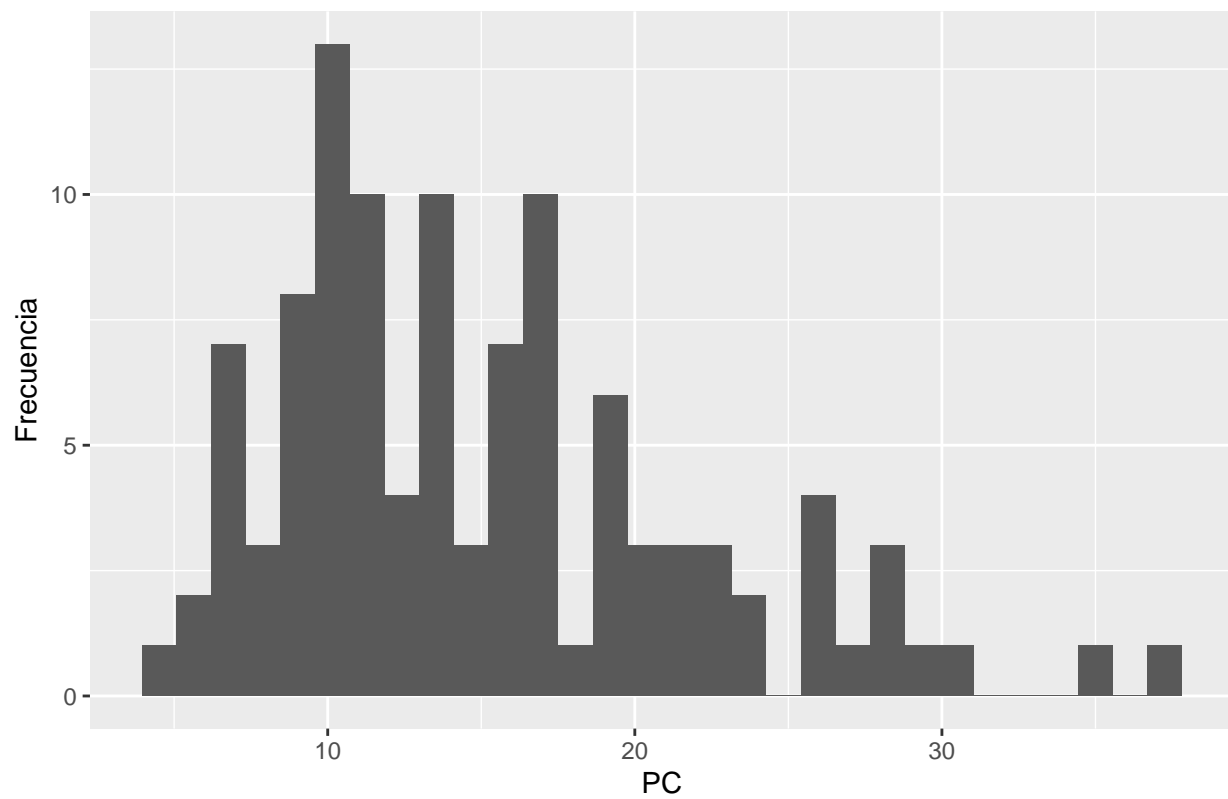


```
ggplot(Datos_Proyecto, aes(Car)) + geom_histogram()+ labs(title="Histograma Carotenos", x="Car", y="Frecuencia")  
## `stat_bin()` using `bins = 30`. Pick better value with `binwidth`.
```

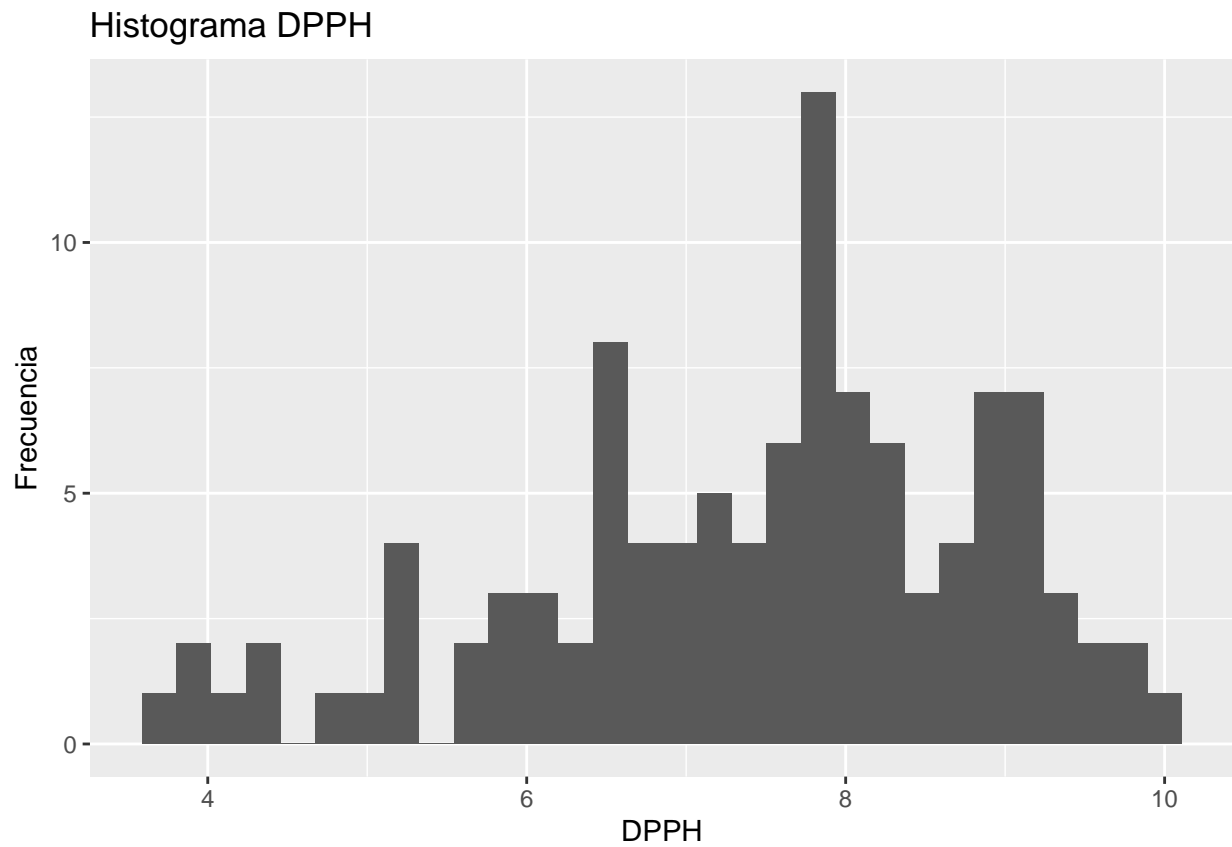


```
ggplot(Datos_Proyecto, aes(PC)) + geom_histogram()+ labs(title="Histograma Compuestos fenólicos", x="PC")  
## `stat_bin()` using `bins = 30`. Pick better value with `binwidth`.
```

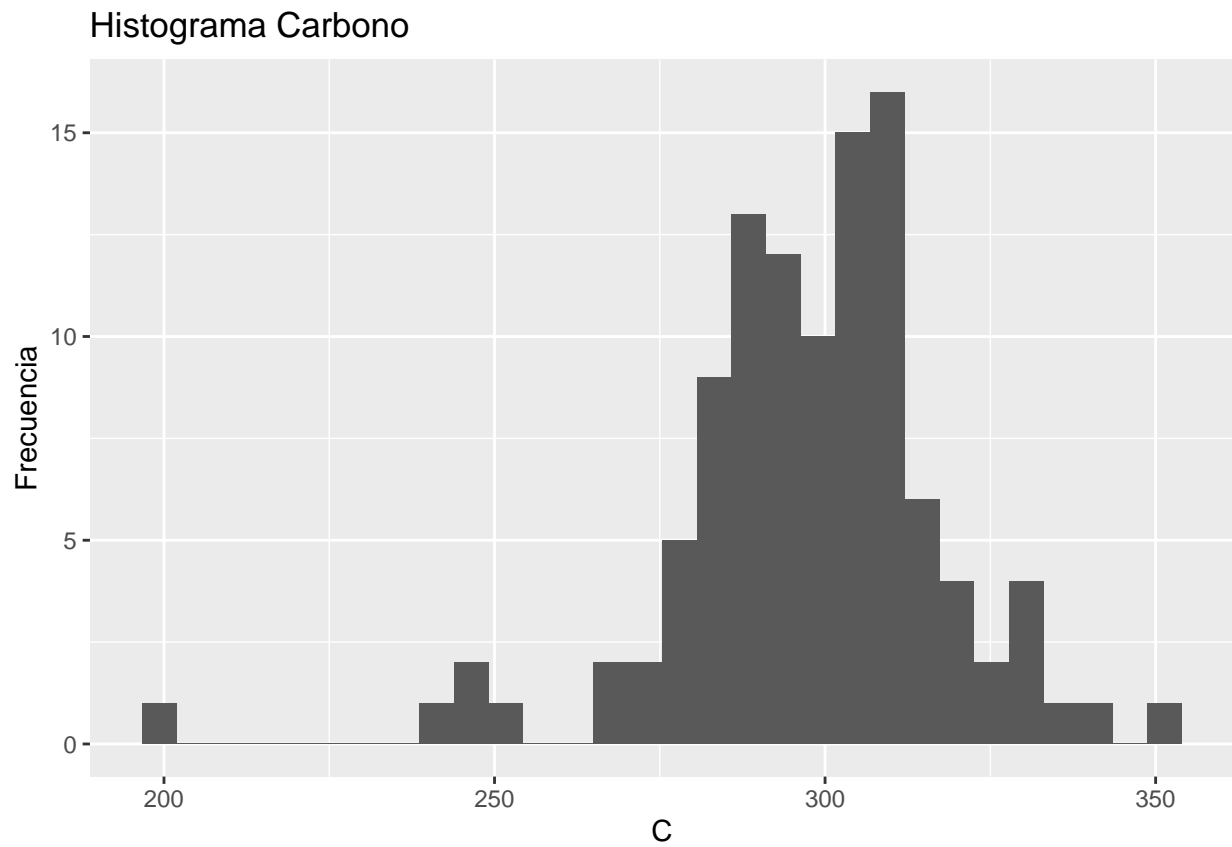
Histograma Compuestos fenólicos



```
ggplot(Datos_Proyecto, aes(DPPH)) + geom_histogram()+ labs(title="Histograma DPPH", x="DPPH", y="Frecuencia")  
## `stat_bin()` using `bins = 30`. Pick better value with `binwidth`.
```

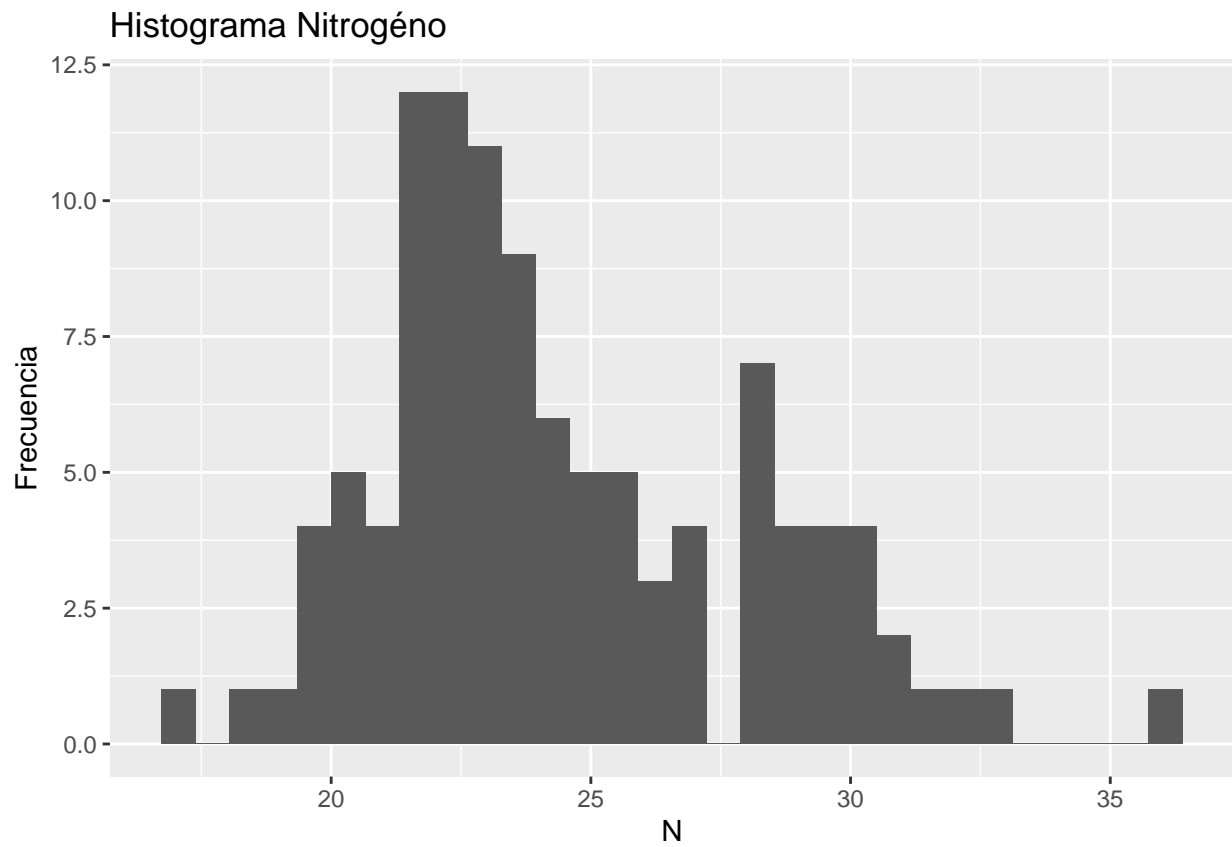


```
ggplot(Datos_Proyecto, aes(C)) + geom_histogram()+ labs(title="Histograma Carbono", x="C", y="Frecuencia")  
## `stat_bin()` using `bins = 30`. Pick better value with `binwidth`.
```

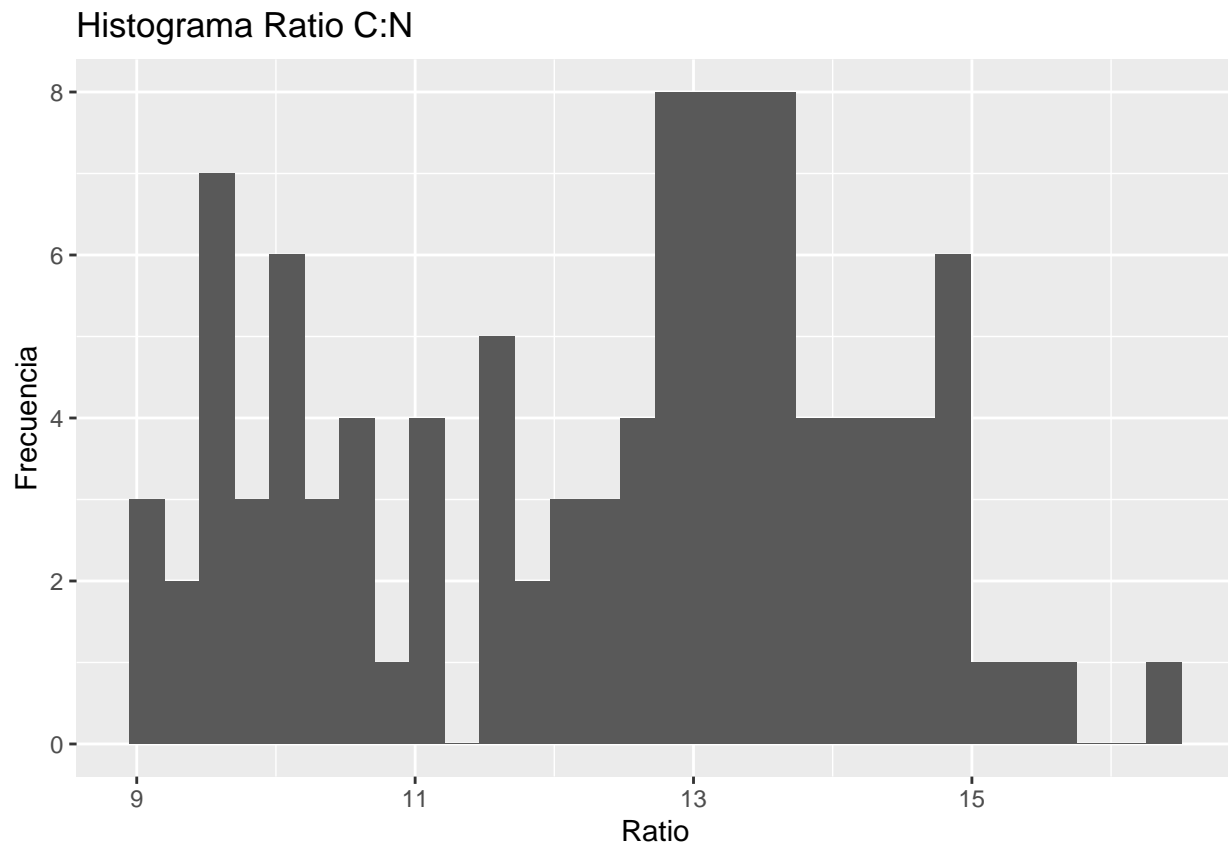


```
ggplot(Datos_Proyecto, aes(N)) + geom_histogram()+ labs(title="Histograma Nitrogéno", x="N", y="Frecuen  
## `stat_bin()` using `bins = 30`. Pick better value with `binwidth`.
```

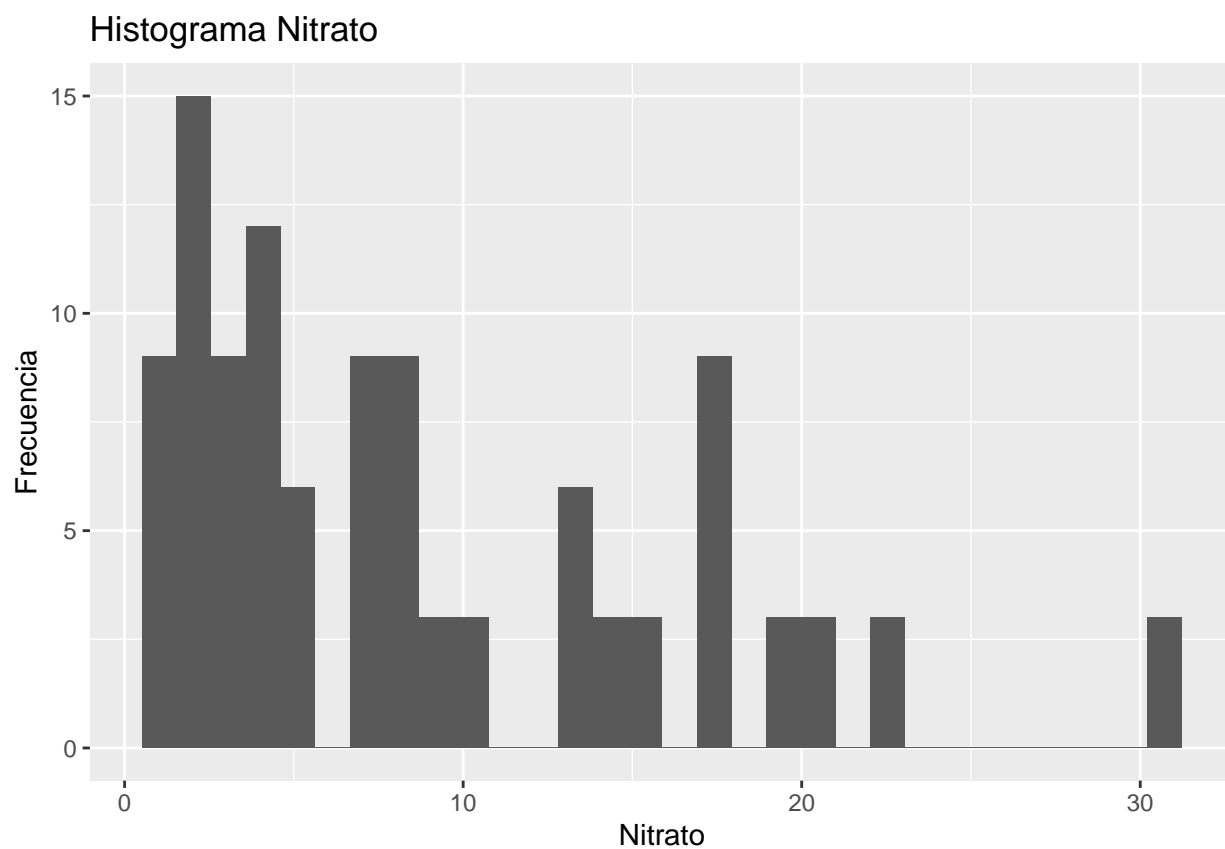




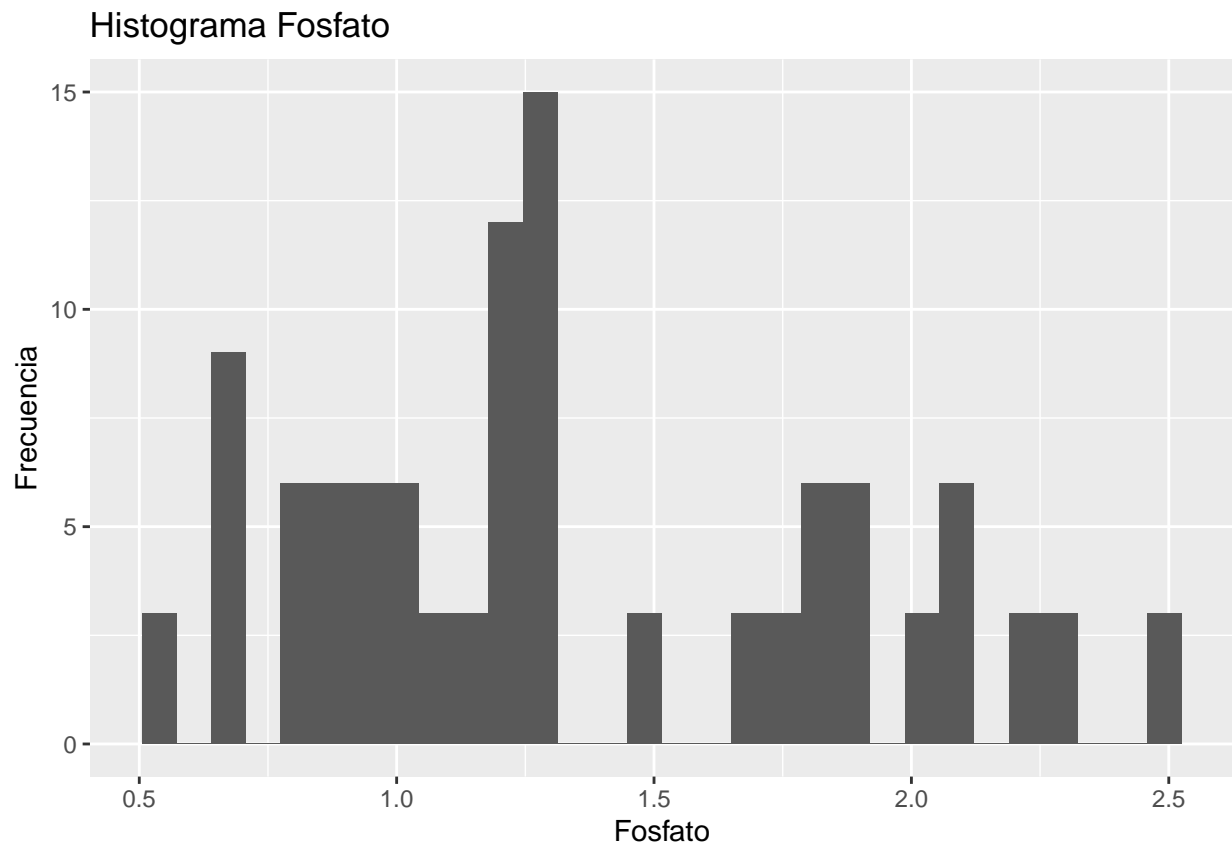
```
ggplot(Datos_Proyecto, aes(Ratio)) + geom_histogram()+ labs(title="Histograma Ratio C:N", x="Ratio", y=
## `stat_bin()` using `bins = 30`. Pick better value with `binwidth`.
```



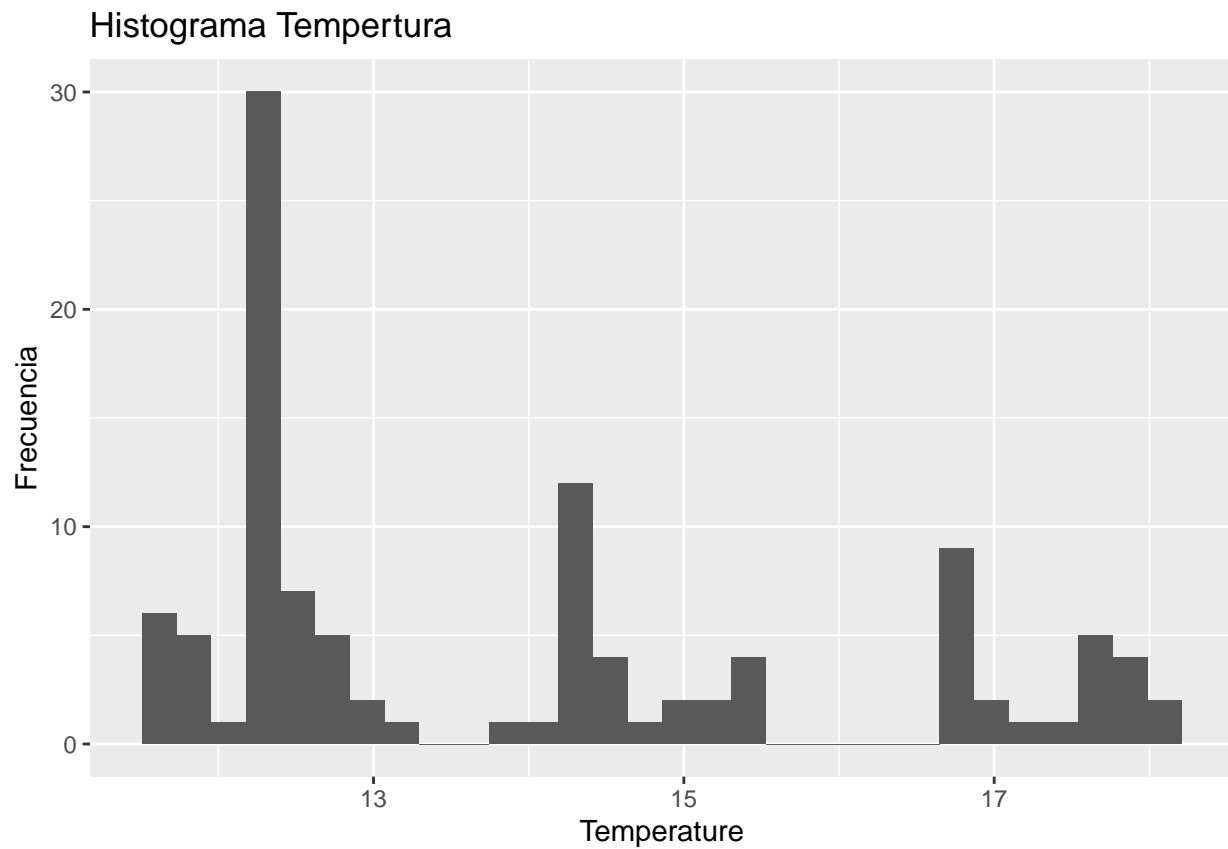
```
ggplot(Datos_Proyecto, aes(Nitrato)) + geom_histogram()+ labs(title="Histograma Nitrato", x="Nitrato", y="Frecuencia")  
## `stat_bin()` using `bins = 30`. Pick better value with `binwidth`.
```



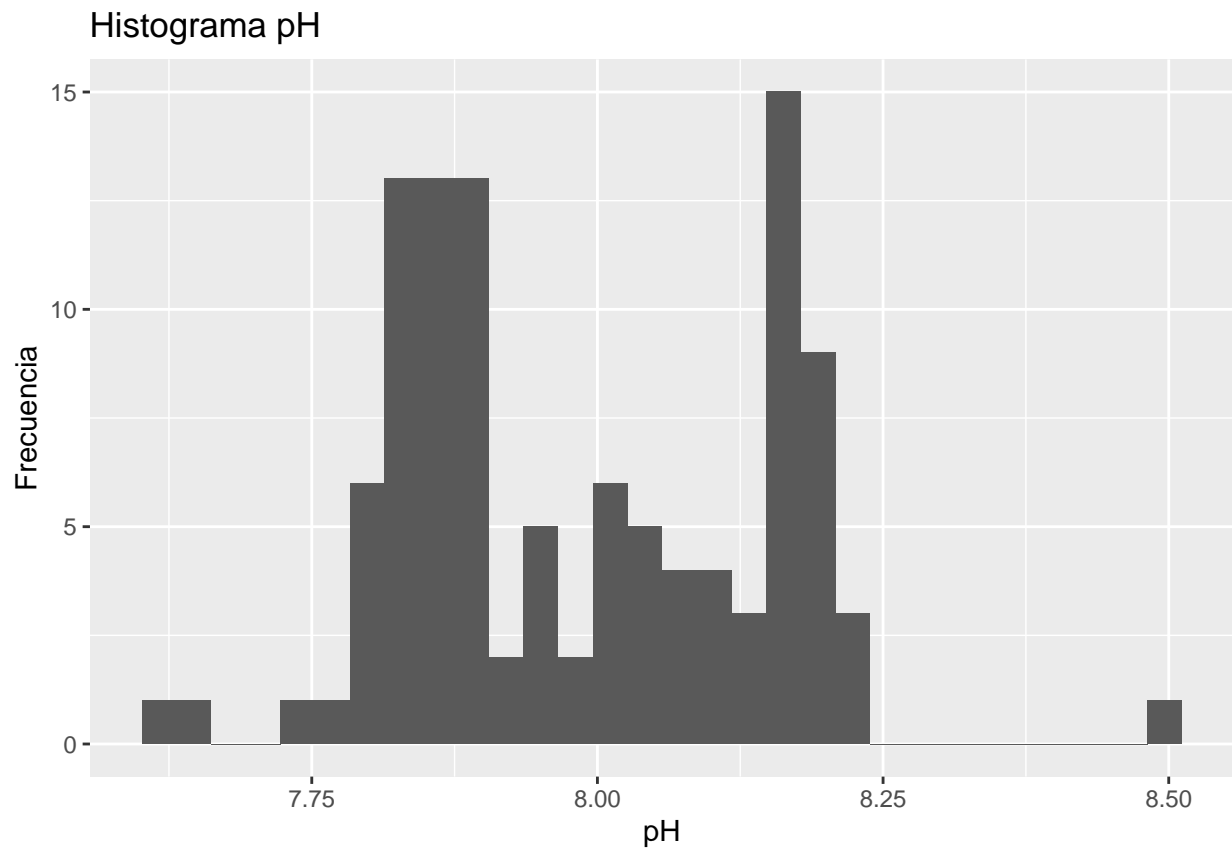
```
ggplot(Datos_Proyecto, aes(Fosfato)) + geom_histogram()+ labs(title="Histograma Fosfato", x="Fosfato", y="Frecuencia")  
## `stat_bin()` using `bins = 30`. Pick better value with `binwidth`.
```



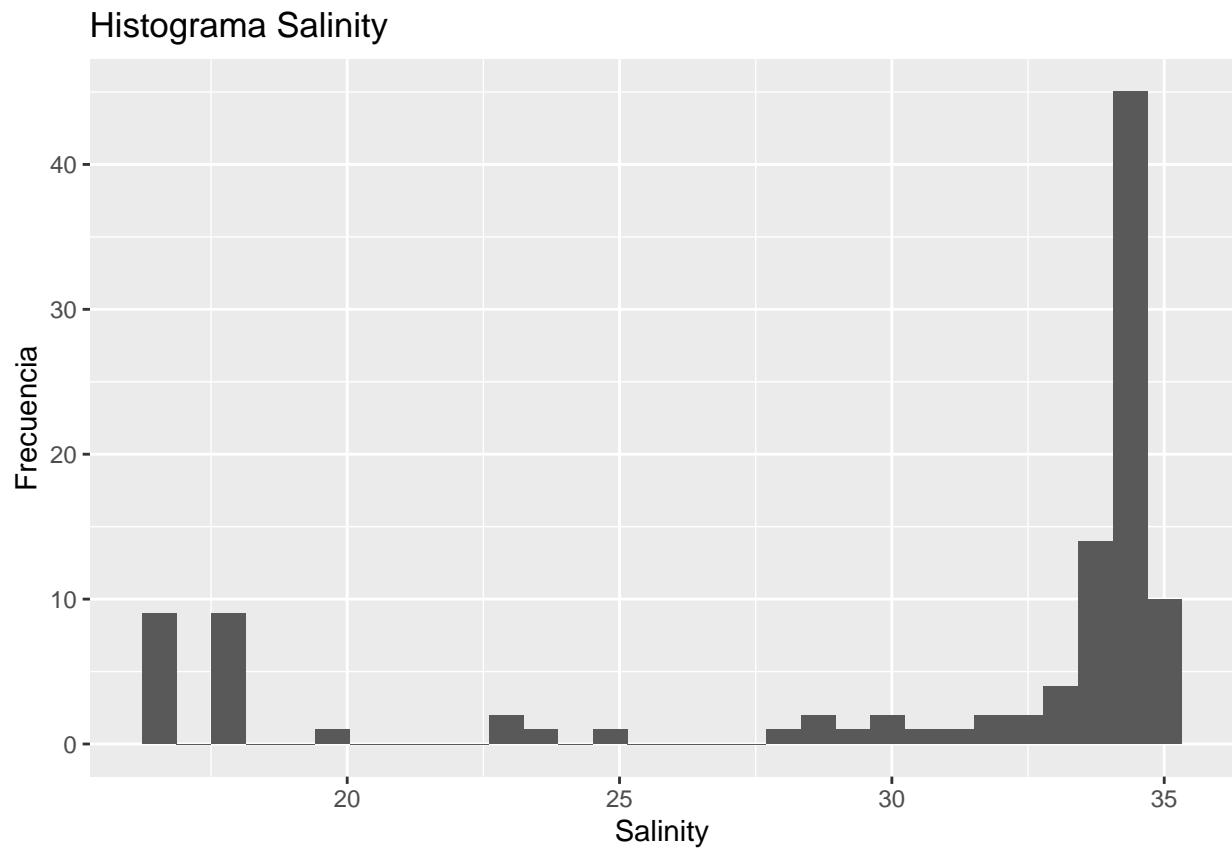
```
ggplot(Datos_Proyecto, aes(Temperature)) + geom_histogram()+ labs(title="Histograma Tempertura", x="Temp")  
## `stat_bin()` using `bins = 30`. Pick better value with `binwidth`.
```



```
ggplot(Datos_Proyecto, aes(pH)) + geom_histogram()+ labs(title="Histograma pH", x="pH", y="Frecuencia")  
## `stat_bin()` using `bins = 30`. Pick better value with `binwidth`.
```

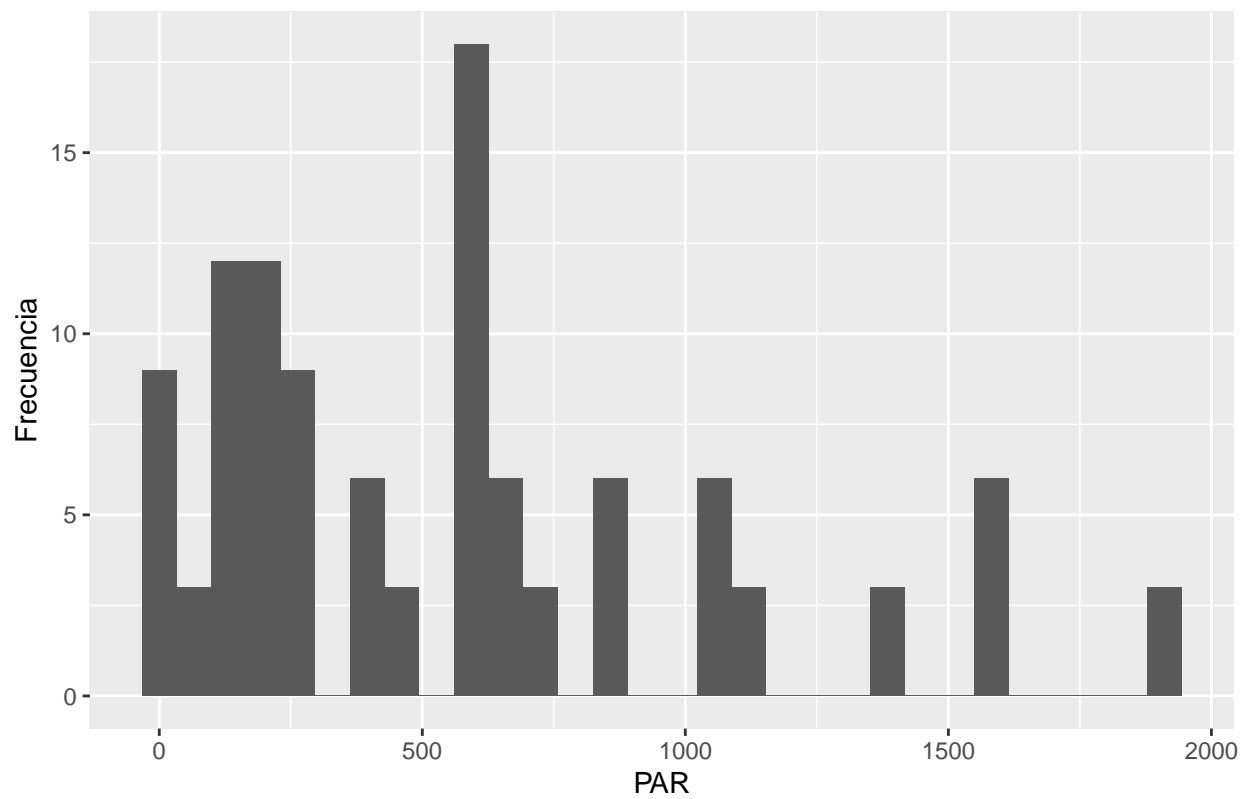


```
ggplot(Datos_Proyecto, aes(Salinity)) + geom_histogram()+ labs(title="Histograma Salinity", x="Salinity", y="Frecuencia")  
## `stat_bin()` using `bins = 30`. Pick better value with `binwidth`.
```



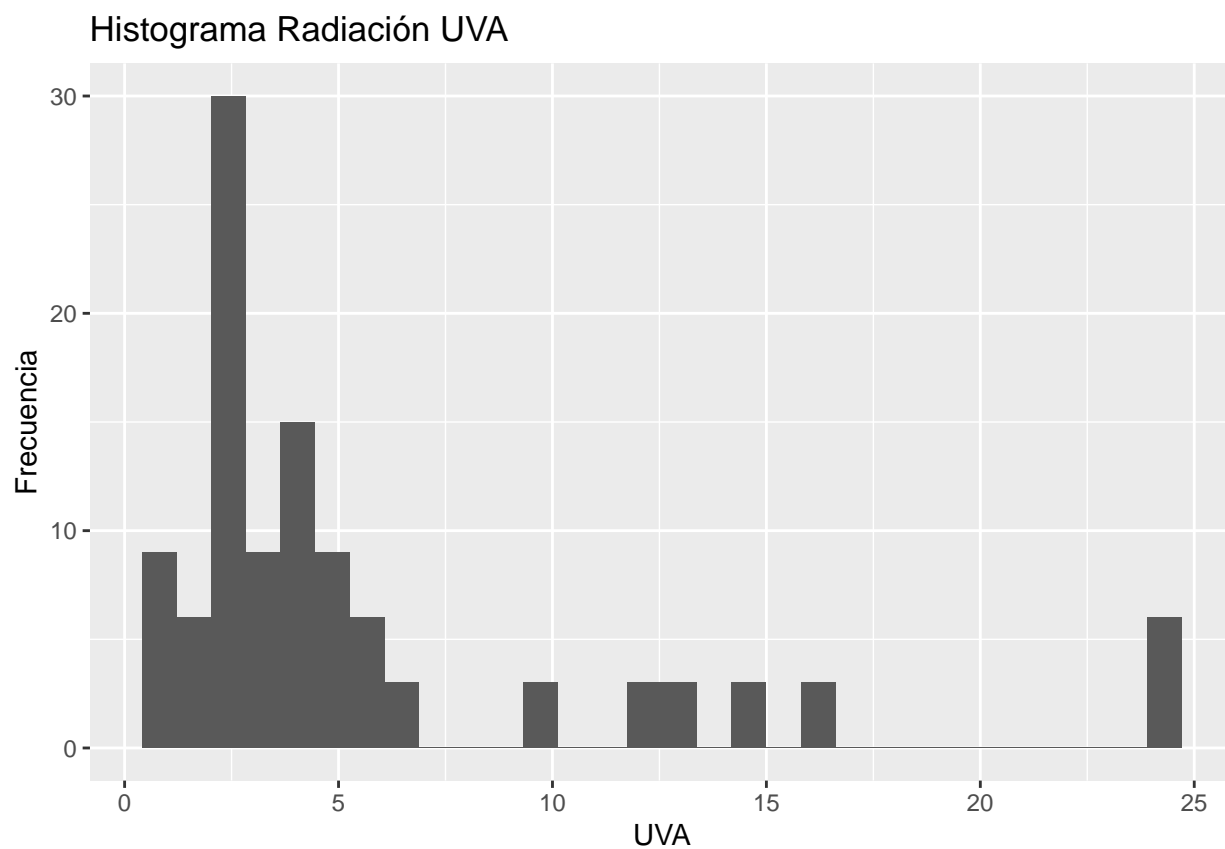
```
ggplot(Datos_Proyecto, aes(PAR)) + geom_histogram()+ labs(title="Histograma Radiación fotosintéticamnet")  
## `stat_bin()` using `bins = 30`. Pick better value with `binwidth`.
```

Histograma Radiación fotosintéticamente activa



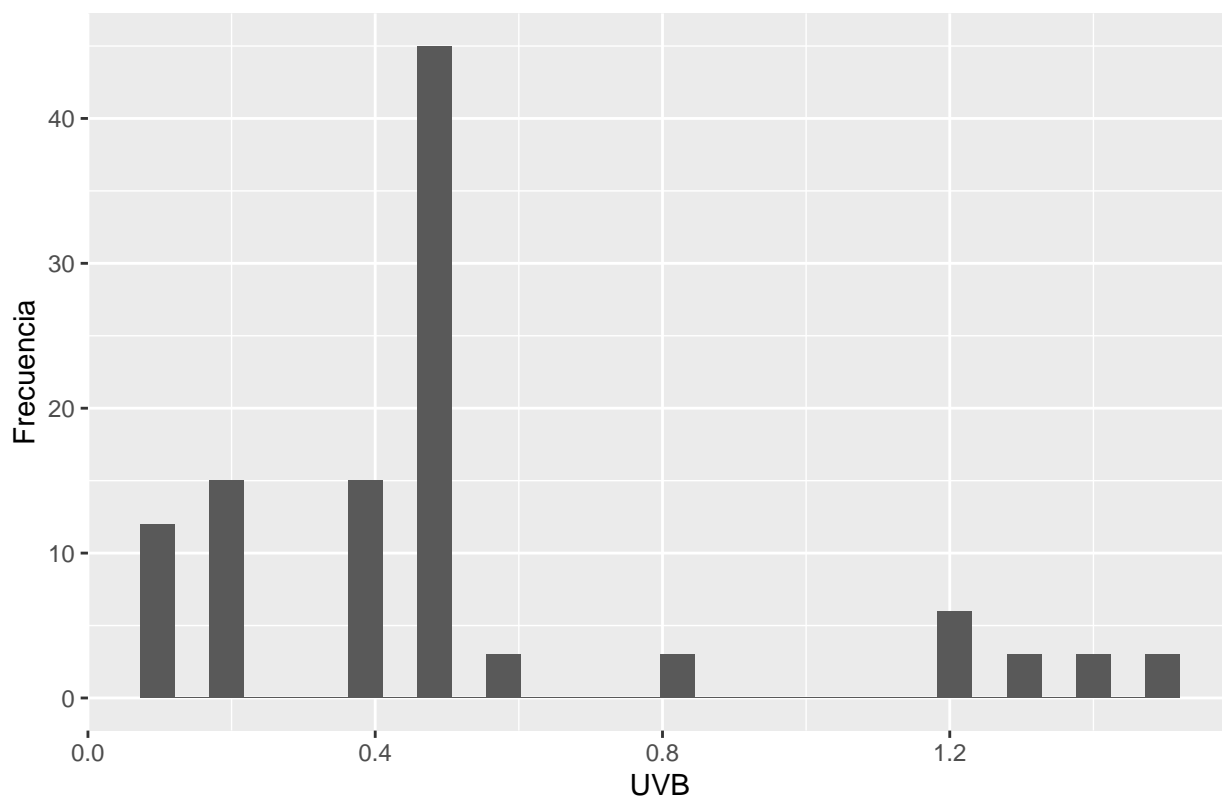
```
ggplot(Datos_Proyecto, aes(UVA)) + geom_histogram()+ labs(title="Histograma Radiación UVA", x="UVA", y=
## `stat_bin()` using `bins = 30`. Pick better value with `binwidth`.
```





```
ggplot(Datos_Proyecto, aes(UVB)) + geom_histogram()+ labs(title="Histograma Radiación UVB", x="UVB", y=
## `stat_bin()` using `bins = 30`. Pick better value with `binwidth`.
```

## Histograma Radiación UVB



## 4. Datos balanceados y tablas de frecuencia

```
Datos_Proyecto$Chla <- Datos_Proyecto$Chla
table(Datos_Proyecto$Chla)
```

```
##
## 0.673 0.745 0.769 0.786 0.808 0.815 0.816 0.825 0.826 0.832 0.835 0.855 0.864
## 1 1 1 1 2 1 1 1 1 1 1 1 1
## 0.869 0.87 0.882 0.883 0.903 0.913 0.919 0.929 0.936 0.943 0.953 0.954 0.967
## 1 1 1 1 1 1 1 1 1 1 1 1 1
## 0.996 1 1.005 1.006 1.009 1.013 1.021 1.034 1.036 1.038 1.04 1.058 1.063
## 1 1 1 1 1 1 2 1 1 1 2 2 1
## 1.065 1.074 1.084 1.108 1.118 1.127 1.136 1.137 1.139 1.14 1.166 1.173 1.176
## 1 1 1 1 1 1 1 1 1 1 2 1 1
## 1.182 1.184 1.188 1.19 1.191 1.192 1.199 1.202 1.21 1.222 1.245 1.256 1.278
## 1 1 1 1 1 1 1 1 3 1 1 1 1
## 1.289 1.298 1.31 1.319 1.322 1.329 1.345 1.38 1.385 1.4 1.414 1.432 1.479
## 1 1 1 2 1 1 1 1 1 1 1 1 1
## 1.491 1.501 1.513 1.521 1.526 1.531 1.547 1.555 1.558 1.578 1.591 1.597 1.611
## 1 1 1 1 1 1 2 1 1 1 1 1 1
## 1.616 1.635 1.677 1.699 1.707 1.839 1.969
## 1 2 1 1 1 1 1
```

```
frec <- table(Datos_Proyecto$Chla)
```

```
Datos_Proyecto$Chlc <- Datos_Proyecto$Chlc
table(Datos_Proyecto$Chlc)
```

```
##
```

```
## 0.01 0.027 0.029 0.033 0.034 0.041 0.042 0.045 0.046 0.047 0.049 0.051 0.055
## 1 1 1 1 1 1 1 1 1 1 2 1 3
## 0.057 0.058 0.06 0.061 0.062 0.064 0.065 0.067 0.068 0.069 0.074 0.075 0.076
## 2 1 1 1 2 2 1 1 1 1 1 1 1
## 0.079 0.08 0.081 0.082 0.084 0.085 0.086 0.087 0.088 0.09 0.092 0.094 0.095
## 1 2 2 2 3 1 2 1 3 2 1 1 3
## 0.096 0.097 0.098 0.1 0.101 0.102 0.103 0.105 0.106 0.107 0.108 0.109 0.112
## 1 3 1 1 4 5 1 1 1 4 2 1 1
## 0.113 0.115 0.117 0.118 0.119 0.127 0.129 0.13 0.131 0.132 0.134 0.135 0.141
## 1 1 1 1 2 1 2 1 1 2 1 1 1
## 0.143 0.148 0.152 0.154 0.155 0.157 0.158 0.166 0.178 0.221
## 1 1 1 1 1 1 1 1 1 1
```

```
frec <- table(Datos_Proyecto$Chlc)
```

```
Datos_Proyecto$Car <- Datos_Proyecto$Car
table(Datos_Proyecto$Car)
```

```
##
## 0.419 0.435 0.438 0.443 0.452 0.453 0.459 0.46 0.461 0.469 0.503 0.511 0.547
## 1 1 1 1 1 1 1 1 1 1 1 1 1
## 0.558 0.568 0.584 0.586 0.589 0.59 0.605 0.609 0.614 0.617 0.62 0.621 0.623
## 1 1 1 1 1 1 1 1 1 1 1 1 1
## 0.624 0.626 0.631 0.632 0.635 0.641 0.643 0.645 0.649 0.659 0.66 0.665 0.669
## 2 1 1 1 1 1 1 1 1 1 1 1 1
## 0.671 0.673 0.694 0.695 0.703 0.707 0.715 0.722 0.724 0.733 0.743 0.746 0.752
## 1 1 1 2 1 1 1 1 1 1 1 1 2
## 0.755 0.76 0.765 0.767 0.782 0.787 0.79 0.797 0.804 0.813 0.82 0.824 0.828
## 1 1 1 1 1 1 1 2 1 2 1 2 1
## 0.832 0.835 0.848 0.854 0.86 0.865 0.866 0.874 0.876 0.884 0.897 0.903 0.905
## 1 1 1 1 1 2 1 1 1 1 1 1 1
## 0.906 0.91 0.921 0.931 0.937 0.954 0.957 0.962 0.978 0.988 0.99 1.007 1.016
## 1 1 1 1 2 1 1 1 1 1 1 2 1
## 1.026 1.031 1.044 1.056 1.067 1.161 1.172 1.208
## 1 1 1 1 1 1 1 1
```

```
frec <- table(Datos_Proyecto$Car)
```

```
Datos_Proyecto$PC <- Datos_Proyecto$PC
table(Datos_Proyecto$PC)
```

```
##
## 4.6 5.19 6.04 6.34 6.35 6.62 6.86 7.05 7.27 7.32 7.35 7.55 8.37
## 1 1 1 1 1 1 1 1 1 1 1 1 1
## 8.65 9 9.12 9.3 9.32 9.48 9.53 9.54 9.63 9.68 9.7 9.75 9.82
## 1 1 1 1 1 1 1 1 1 1 1 1 1
## 9.9 9.97 10.04 10.38 10.41 10.5 10.54 10.74 11.17 11.2 11.27 11.3 11.36
## 1 1 1 1 1 1 2 1 1 1 1 1 1
## 11.37 11.5 11.78 11.84 12.1 12.52 12.57 12.88 13.14 13.34 13.38 13.42 13.62
## 1 1 1 1 1 1 1 1 1 1 1 1 1
## 13.76 13.87 13.93 14 14.02 14.16 14.44 14.7 15.32 15.51 15.73 15.83 15.97
## 1 1 1 1 1 1 1 1 1 1 1 1 1
## 15.98 16.33 16.6 16.61 16.66 16.76 16.94 16.95 16.97 17.17 17.24 17.35 17.88
## 1 1 1 1 1 1 1 1 1 1 1 1 1
## 18.67 18.89 19.29 19.51 19.53 19.73 19.81 19.89 20.06 21.64 21.74 22.64 22.67
```

```
##      1      1      1      1      1      1      1      1      1      1      2      1      1
## 23.08 23.36 24.07 25.7 25.76 26.15 26.34 26.75 28.26 28.47 28.63 28.92 30.43
##      1      1      1      1      1      1      1      1      1      1      1      1      1
## 34.56 37.34
##      1      1
```

```
frec <- table(Datos_Proyecto$PC)
```

```
Datos_Proyecto$DPPH <- Datos_Proyecto$DPPH
table(Datos_Proyecto$DPPH)
```

```
##
## 3.7921091487048 3.83386983732118 3.94822628290414 4.07315491016667
##      1      1      1
## 4.34394543819923 4.37511757369667 4.73026296031757 4.96381302541734
##      1      1      1
## 5.1194784378545 5.19038236694484 5.26279857279554 5.28572544493435
##      1      1      1
## 5.55196731924744 5.70177684116028 5.8070681644718 5.90131463394357
##      1      1      1
## 5.96584130019852 6.08471171781293 6.11925664673893 6.15344293599768
##      1      1      1
## 6.23673572752751 6.37671184950451 6.4671773936417 6.47062777818111
##      1      1      1
## 6.47064767825994 6.52856916357015 6.53801630112277 6.53887774696075
##      1      1      1
## 6.55357474292809 6.59544000293789 6.75880275621157 6.76557744492377
##      1      1      1
## 6.81376807198535 6.81892550440379 6.88880073443357 6.90031501583034
##      1      1      1
## 6.95194609308745 7.01531486776157 7.08640909495452 7.11441001985266
##      1      1      1
## 7.13044683746743 7.17826668387887 7.20111198374913 7.28495721947921
##      1      1      1
## 7.32596996180665 7.3880453432457 7.41821472683629 7.53759848818543
##      1      1      1
## 7.57761861614438 7.58093204253681 7.58333744979186 7.64708630985723
##      1      1      1
## 7.67488209576931 7.74598658508453 7.79158426429331 7.79578363292874
##      1      1      1
## 7.81205032442958 7.81229693476463 7.83815304355675 7.8444370360342
##      1      1      1
## 7.84532151099326 7.87903013092856 7.88242034424958 7.90826123438925
##      1      1      1
## 7.92346109756698 7.92651169747938 7.96286949555254 8.0453346445548
##      1      1      1
## 8.06649986730547 8.0803288577418 8.09590000250503 8.09663070958325
##      1      1      1
## 8.14327334588672 8.15693463388017 8.20102375293735 8.25925298394825
##      1      1      1
## 8.34002719005116 8.34545377528216 8.36721344084489 8.37264084101011
##      1      1      1
## 8.39960941129238 8.53343299621107 8.65734800174523 8.67401723119002
##      1      1      1
## 8.69668123896576 8.80465504054987 8.88215196259132 8.89903180720949
```

```
##          1          1          1          1
## 8.90623955108464 8.92560217841661 8.96707301649087 8.98127144216437
##          1          1          1          1
## 8.98449281324139 9.06668762571664 9.07612448459151 9.0792302344551
##          1          1          1          1
## 9.08446116671832 9.10600868735363 9.13048519777377 9.13386697153185
##          1          1          1          1
## 9.28282925475416 9.30481657147222 9.3322087818022 9.4630849489861
##          1          1          1          1
## 9.61630593483038 9.81265544853422 9.86463936386016 10.0969856269446
##          1          1          1          1
```

```
frec <- table(Datos_Proyecto$DPPH)
```

```
Datos_Proyecto$C <- Datos_Proyecto$C
table(Datos_Proyecto$C)
```

```
##
## 198.84 240.55 245.14 246.18 249.3 268.7 269.23 271.92 274.08 275.63
##      1      1      1      1      1      1      1      1      1      1
## 278.3 278.42 278.54 279.67 280.73 282.57 283.1 283.36 284.11 284.31
##      1      1      1      1      1      1      1      1      1      1
## 284.99 285.08 285.22 286.02 286.06 286.99 287.3 287.35 288.01 289.58
##      1      1      1      1      1      1      1      1      1      1
## 290.17 290.36 290.4 290.47 290.54 290.71 291.24 291.43 291.88 292.4
##      1      1      1      1      1      1      1      1      1      1
## 292.53 293.59 294.6 294.75 294.8 295.23 295.78 296.26 296.73 296.9
##      1      1      1      1      1      1      1      1      1      1
## 297.91 298.46 298.66 299.22 299.57 299.65 299.73 301.85 302.11 302.15
##      1      1      2      1      1      1      1      1      1      1
## 303.55 303.6 303.625 304.02 304.51 304.55 304.84 304.85 305.07 305.39
##      1      1      1      1      1      1      1      1      1      1
## 306.1 306.71 306.89 306.97 307.01 307.1 307.53 307.87 308.18 308.28
##      1      1      1      1      1      1      1      1      1      1
## 308.43 308.71 310.12 310.18 310.5 310.58 311.85 311.98 312.63 312.88
##      1      1      1      1      1      1      1      1      1      1
## 314.51 314.72 315.07 315.54 318.24 318.9 319.96 320.72 326.45 327.72
##      1      1      1      1      1      1      1      1      1      1
## 328.36 330.28 331.8 332.06 333.72 341.69 350.93
##      1      1      1      1      1      1      1
```

```
frec <- table(Datos_Proyecto$C)
```

```
Datos_Proyecto$N <- Datos_Proyecto$N
table(Datos_Proyecto$N)
```

```
##
## 16.86 18.308 18.775 19.407 19.43 19.71 19.915 20.071 20.188 20.297
##      1      1      1      1      1      1      1      1      1      1
## 20.572 20.631 20.832 21.104 21.157 21.2 21.35 21.373 21.387 21.475
##      1      1      1      1      1      1      1      1      1      1
## 21.483 21.567 21.688 21.75 21.78 21.84 21.854 21.944 21.9935 22.04
##      1      1      1      1      1      1      1      1      1      1
## 22.049 22.159 22.292 22.318 22.407 22.435 22.45 22.465 22.54 22.555
##      1      1      1      1      1      1      1      1      1      1
```

```
## 22.69 22.78 22.807 22.83 22.879 22.918 23.07 23.17 23.19 23.226
## 1 1 1 1 1 1 1 1 1 1
## 23.248 23.292 23.49 23.53 23.532 23.604 23.618 23.62 23.67 23.705
## 1 1 1 1 1 1 1 1 1 1
## 23.964 24.058 24.36 24.418 24.513 24.6 24.63 24.68 25.14 25.19
## 1 1 2 1 1 1 1 1 1 1
## 25.36 25.437 25.53 25.57 25.619 26.08 26.12 26.47 26.71 26.74
## 1 1 1 1 1 1 1 1 1 1
## 27 27.93 28.13 28.21 28.37 28.38 28.39 28.51 28.614 28.64
## 2 1 1 1 1 1 1 1 1 1
## 28.77 29.11 29.31 29.49 29.7 29.82 29.92 30.06 30.16 30.33
## 1 1 1 1 1 1 1 1 1 1
## 30.89 31.11 31.37 32.26 32.53 35.88
## 1 1 1 1 1 1
```

```
frec <- table(Datos_Proyecto$N)
```

```
Datos_Proyecto$Ratio <- Datos_Proyecto$Ratio
table(Datos_Proyecto$Ratio)
```

```
##
## 9.062093 9.11794132 9.14746006 9.26 9.28 9.49 9.52
## 1 1 1 1 1 1 1
## 9.57 9.63 9.65718555 9.66 9.68 9.71 9.83
## 1 1 1 1 1 1 1
## 9.91889144 9.97210565 10.05 10.0571823 10.11 10.14 10.1776669
## 1 1 1 1 1 1 1
## 10.23 10.37 10.42 10.54 10.5637783 10.6 10.6585675
## 1 1 1 1 1 1 1
## 10.7622635 10.969617 10.9952806 11.11 11.1188651 11.48 11.5032829
## 1 1 1 1 1 1 1
## 11.5500349 11.5987547 11.7071826 11.8260834 11.94 12.1092008 12.11
## 1 1 1 1 1 1 1
## 12.17 12.33 12.36 12.41 12.51 12.56 12.61
## 1 1 1 1 1 1 1
## 12.65 12.74 12.7517817 12.81 12.8375075 12.8791122 12.88
## 1 1 1 1 1 1 1
## 12.94 12.95 13.03 13.04 13.06 13.1550619 13.16
## 1 1 1 1 1 1 1
## 13.2 13.21 13.22 13.24 13.27 13.29 13.44
## 1 1 1 1 1 3 2
## 13.4573038 13.51 13.57 13.59 13.64 13.6957267 13.7
## 1 1 1 1 1 1 1
## 13.72 13.81 13.9017477 13.93 13.97 14.02 14.04
## 2 1 1 1 1 1 1
## 14.19 14.2 14.27 14.3 14.43 14.48 14.52
## 1 1 1 1 1 1 1
## 14.58 14.74 14.81 14.84 14.85 14.88 14.9
## 1 2 1 1 1 1 1
## 14.95 15.02 15.34 15.51 16.37
## 1 1 1 1 1
```

```
frec <- table(Datos_Proyecto$Ratio)
```

```
Datos_Proyecto$Nitrato <- Datos_Proyecto$Nitrato
```

```
table(Datos_Proyecto$Nitrato)
```

```
##
##      0.9      1      1.4 1.93333333333333
##      3      3      3      3
##      2      2.2      2.5      2.8
##      3      3      6      3
##      3.1      3.4      3.6      4.2
##      3      3      3      6
##      4.6      5.1      5.4      7
##      3      3      3      3
##      7.1      7.4      8      8.3
##      3      3      3      3
##      8.6      9.4      10.4      13.4
##      3      3      3      3
##      13.7      13.9      15      17.6
##      3      3      3      3
##      17.7      17.9      19.9      20.6
##      3      3      3      3
##      22.6      30.6
##      3      3
```

```
frec <- table(Datos_Proyecto$Nitrato)
```

```
Datos_Proyecto$Fosfato <- Datos_Proyecto$Fosfato
table(Datos_Proyecto$Fosfato)
```

```
##
## 0.546666666666667      0.65 0.656666666666667      0.66
##      3      3      3      3
##      0.82      0.85      0.89      0.93
##      6      3      3      3
##      0.95      1.01      1.02      1.06
##      3      3      3      3
##      1.13      1.18      1.21      1.24
##      3      3      6      3
##      1.26      1.27      1.31      1.51
##      3      6      6      3
##      1.7      1.73      1.84      1.87
##      3      3      6      3
##      1.88      2.03      2.06      2.11
##      3      3      3      3
##      2.22      2.3      2.5
##      3      3      3
```

```
frec <- table(Datos_Proyecto$Fosfato)
```

```
Datos_Proyecto$Temperature <- Datos_Proyecto$Temperature
table(Datos_Proyecto$Temperature)
```

```
##
## 11.54 11.55 11.57 11.67 11.68 11.71 11.81 11.87 11.88 11.92 11.96 12.23 12.27
##      1      1      1      1      1      1      1      1      1      2      1      1      1
## 12.29 12.43 12.45 12.46 12.47 12.58 12.6 12.61 12.66 12.72 12.73 12.76 13.01
##      28      1      1      1      1      1      1      1      1      1      2      1      1
```

```
## 13.05 13.12 13.8 14.03 14.22 14.23 14.27 14.28 14.31 14.32 14.33 14.38 14.43
##      1      1      1      1      1      2      1      2      1      1      3      1      1
## 14.49 14.54 14.57 14.82 14.94 15.18 15.25 15.34 15.37 15.45 15.49 16.73 16.74
##      1      1      1      1      2      1      1      1      1      1      1      2      1
## 16.76 16.77 16.79 16.81 16.83 16.95 17.01 17.21 17.49 17.7 17.71 17.72 17.73
##      1      1      1      2      1      1      1      1      1      1      1      1      1
## 17.76 17.8 17.84 17.99 18.02
##      1      2      2      1      1
```

```
frec <- table(Datos_Proyecto$Temperature)
```

```
Datos_Proyecto$pH <- Datos_Proyecto$pH
table(Datos_Proyecto$pH)
```

```
##
## 7.62 7.66 7.74 7.77 7.8 7.81 7.82 7.84 7.85 7.87 7.88 7.89 7.9 7.92 7.93 7.94
##      1      1      1      1      2      4      4      9     10      3     10      2      1      1      1      2
## 7.96 7.97      8 8.01 8.02 8.03 8.04 8.05 8.06 8.07 8.08 8.09 8.1 8.12 8.15 8.16
##      3      2      2      3      1      3      1      1      1      2      1      1      3      3      4      8
## 8.17 8.18 8.23 8.5
##      3      9      3      1
```

```
frec <- table(Datos_Proyecto$pH)
```

```
Datos_Proyecto$Salinity <- Datos_Proyecto$Salinity
table(Datos_Proyecto$Salinity)
```

```
##
##      16.44      17.87      20.05      22.72
##          9          9          1          1
##      22.73      23.33      24.55      27.88
##          1          1          1          1
##      28.76      28.9      29.23      29.75
##          1          1          1          1
##      29.87      30.61      31.02      31.89
##          1          1          1          1
##      31.95      32.22      32.57      32.92
##          1          1          1          1
##      33.09      33.11      33.31      33.56
##          1          1          1          1
##      33.59      33.63      33.74      33.84
##          1          1          10         1
##      34.1 34.106876373291      34.27      34.29
##          2          1          1          1
## 34.3085403442383      34.33      34.38 34.4082298278809
##          1          1          1          1
##      34.42      34.45 34.4802780151367      34.5
##          1          1          2          1
##      34.52 34.526481628418      34.54 34.542366027832
##          1          1          2          1
## 34.5588531494141      34.57      34.58      34.6
##          1          2          1          2
## 34.6039352416992      34.62      34.63 34.6365966796875
##          1          1          2          1
## 34.6420097351074 34.6487312316895 34.6499938964844 34.6557655334473
```



```
##          1          1          1          1
##      34.66 34.6629180908203 34.6690940856934      34.67
##          2          1          1          2
## 34.6720542907715 34.6816215515137 34.6838569641113 34.6904830932617
##          1          1          1          1
## 34.6910133361816 34.7156066894531 34.7162590026855 34.7225875854492
##          1          1          1          1
## 34.7283363342285      34.73      34.74 34.7411422729492
##          1          1          1          1
## 34.7426490783691      34.75      34.9
##          1          1          1
```

```
frec <- table(Datos_Proyecto$Salinity)
```

```
Datos_Proyecto$PAR <- Datos_Proyecto$PAR
table(Datos_Proyecto$PAR)
```

```
##
##      9.76801      10.3785      12.4389      75.3968
##          3          3          3          3
##      118.59      121      126      134
##          3          3          3          3
##      190      198      201 210.444483333333
##          3          3          3          3
##      242.216      287      292      368
##          3          3          3          3
##      408.043      462.759      588.828      593.987
##          3          3          3          3
##      603.632      605      620      624
##          3          3          3          3
##          648      658      743.666      827
##          3          3          3          3
##      842.72      1054.56      1067      1118
##          3          3          3          3
##      1411      1562.96 1562.996666666667      1921
##          3          3          3          3
```

```
frec <- table(Datos_Proyecto$PAR)
```

```
Datos_Proyecto$UVA <- Datos_Proyecto$UVA
table(Datos_Proyecto$UVA)
```

```
##
##      1.1      1.2      1.7      1.9
##          3          6          3          3
##      2.1      2.2      2.3      2.4
##          9          3          3          6
##      2.7      2.8      2.9      3.6
##          6          3          3          6
##      3.7      3.9          4 4.16666666666667
##          3          6          3          3
##      4.5      4.7          4.8      5.6
##          3          3          3          6
##      6.4      10      12.4      13.2
##          3          3          3          3
```

```
##          14.5          15.9          24.1          24.6
##           3           3           3           3
```

```
frec <- table(Datos_Proyecto$UVA)
```

```
Datos_Proyecto$UVB <- Datos_Proyecto$UVB
table(Datos_Proyecto$UVB)
```

```
##
## 0.1 0.2 0.4 0.5 0.6 0.8 1.2 1.3 1.4 1.5
## 12 15 15 45 3 3 6 3 3 3
```

```
frec <- table(Datos_Proyecto$UVB)
```

## 5. Relación entre variables cuantitativas y factores

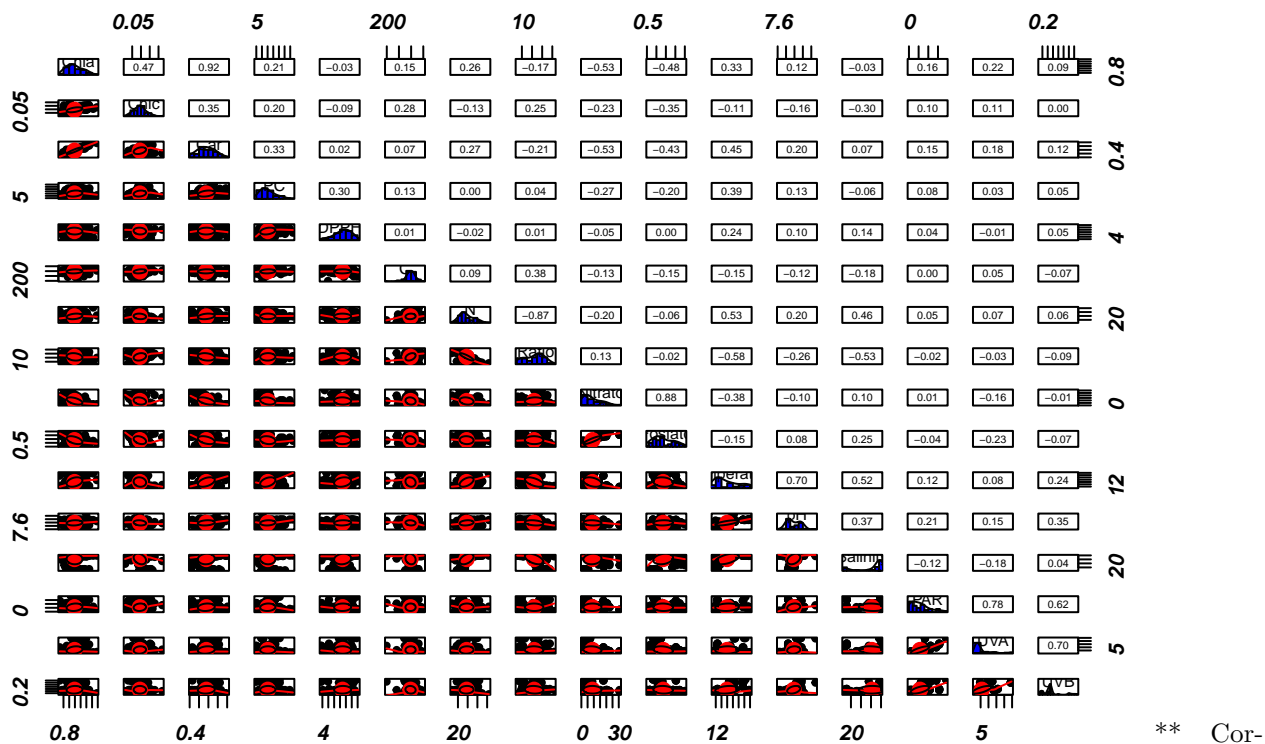
\*\* No se incluyan las variables Seasons, time, hours y Replicate, porque son variables categóricas.

```
summary(Datos_Proyecto)
```

```
##      Seasons      time      hours      Replicate      Chla
## Autumn:27   day 1:36   hora 1:36   R1:36      Min.    :0.6730
## Spring:27   day 2:36   hora 2:36   R2:36      1st Qu.:0.9888
## Summer:27   day 3:36   hora 3:36   R3:36      Median  :1.1660
## Winter:27                                     Mean    :1.1856
##                                           3rd Qu.:1.3813
##                                           Max.    :1.9690
##
##      Chlc      Car      PC      DPPH
## Min.    :0.01000   Min.    :0.4190   Min.    : 4.600   Min.    : 3.792
## 1st Qu.:0.06775   1st Qu.:0.6240   1st Qu.: 9.953   1st Qu.: 6.539
## Median :0.09500   Median :0.7520   Median :13.815   Median : 7.769
## Mean    :0.09365   Mean    :0.7557   Mean    :15.153   Mean    : 7.444
## 3rd Qu.:0.10975   3rd Qu.:0.8780   3rd Qu.:18.990   3rd Qu.: 8.433
## Max.    :0.22100   Max.    :1.2080   Max.    :37.340   Max.    :10.097
##
##      C      N      Ratio      Nitrate
## Min.    :198.8   Min.    :16.86   Min.    : 9.062   Min.    : 0.900
## 1st Qu.:287.3   1st Qu.:21.92   1st Qu.:10.644   1st Qu.: 3.025
## Median :298.9   Median :23.53   Median :12.858   Median : 7.050
## Mean    :297.6   Mean    :24.44   Mean    :12.409   Mean    : 8.887
## 3rd Qu.:308.3   3rd Qu.:26.80   3rd Qu.:13.720   3rd Qu.:13.750
## Max.    :350.9   Max.    :35.88   Max.    :16.370   Max.    :30.600
##
##      Fosfato      Temperature      pH      Salinity
## Min.    :0.5467   Min.    :11.54   Min.    :7.620   Min.    :16.44
## 1st Qu.:0.9450   1st Qu.:12.29   1st Qu.:7.850   1st Qu.:29.62
## Median :1.2500   Median :12.88   Median :7.960   Median :34.10
## Mean    :1.3568   Mean    :13.98   Mean    :7.982   Mean    :30.49
## 3rd Qu.:1.8400   3rd Qu.:15.35   3rd Qu.:8.150   3rd Qu.:34.63
## Max.    :2.5000   Max.    :18.02   Max.    :8.500   Max.    :34.90
##
##      PAR      UVA      UVB
## Min.    : 9.768   Min.    : 1.100   Min.    :0.100
## 1st Qu.:196.000   1st Qu.: 2.275   1st Qu.:0.350
## Median :525.793   Median : 3.650   Median :0.500
## Mean    :569.983   Mean    : 5.749   Mean    :0.525
## 3rd Qu.:764.500   3rd Qu.: 5.600   3rd Qu.:0.500
## Max.    :1921.000   Max.    :24.600   Max.    :1.500
```

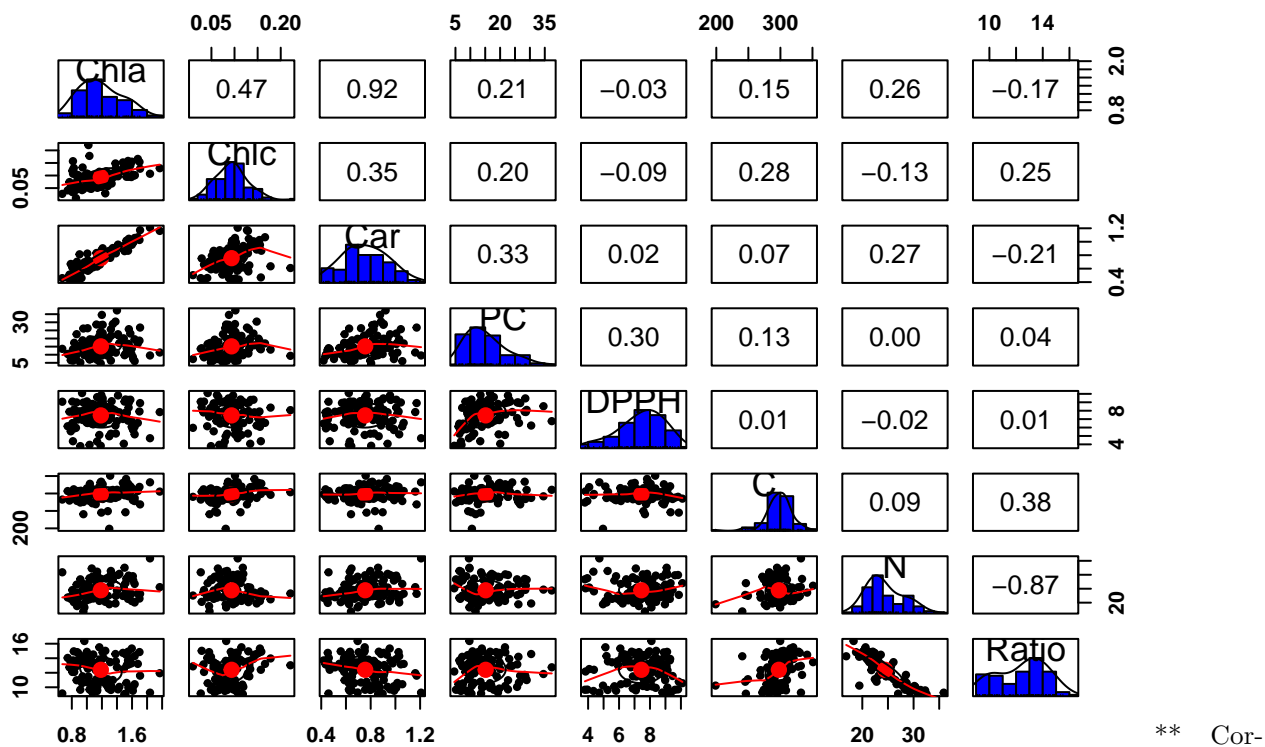
## 5. Graficas de correlación de variables continuas (pearson)

```
pairs.panels(Datos_Proyecto[,5:20], method = "pearson", hist.col = "blue", density = TRUE, font=4)
```



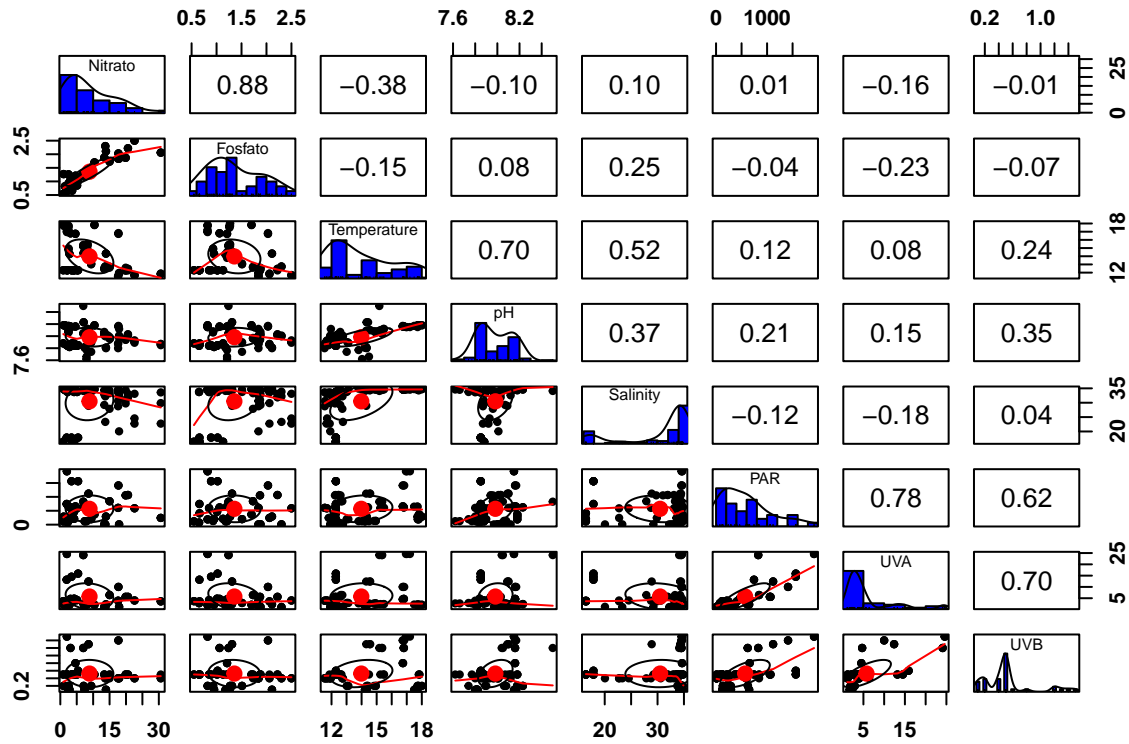
relación entre las primeras 8 variables continuas

```
pairs.panels(Datos_Proyecto[,5:12], method = "pearson", hist.col = "blue", density = TRUE, font=2)
```



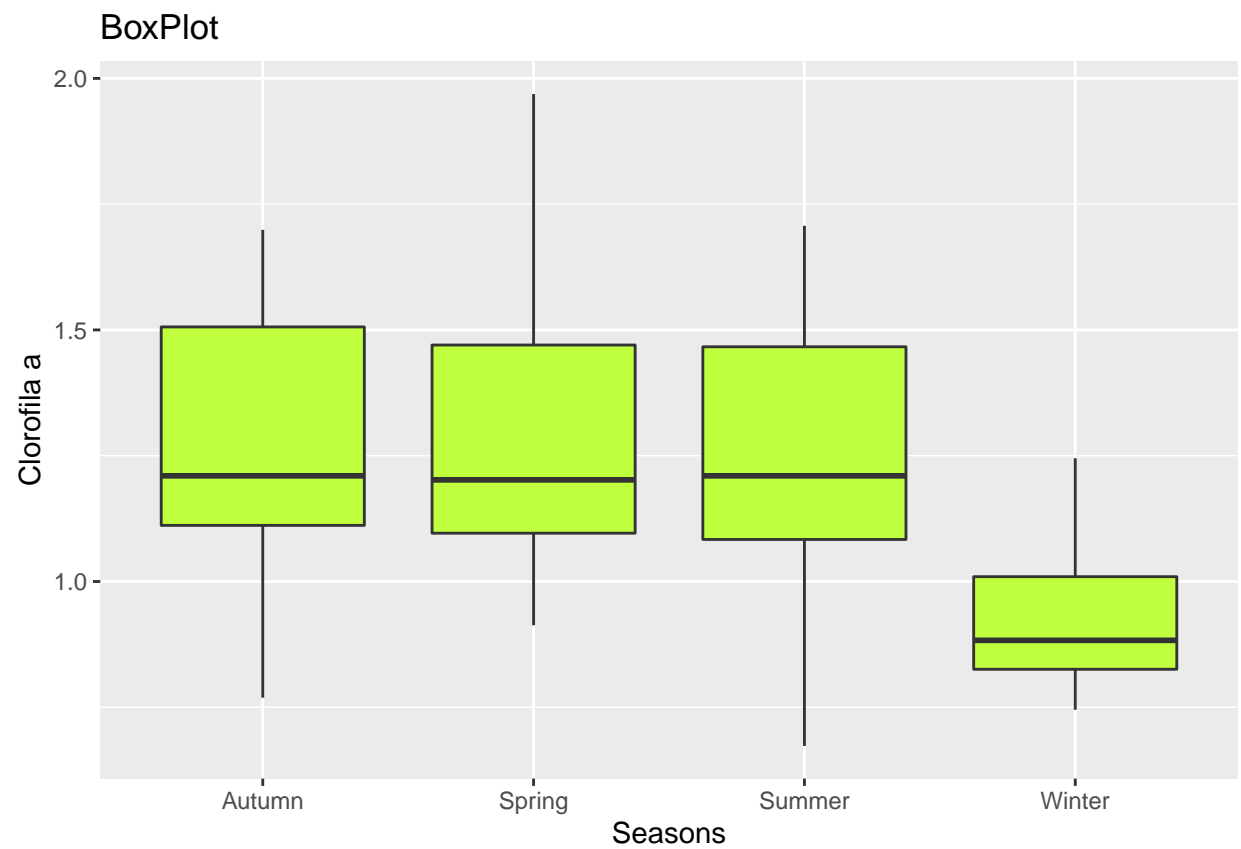
relación entre las segundas 8 variables continuas

```
pairs.panels(Datos_Proyecto[,13:20], method = "pearson", hist.col = "blue", density = TRUE, font=2)
```

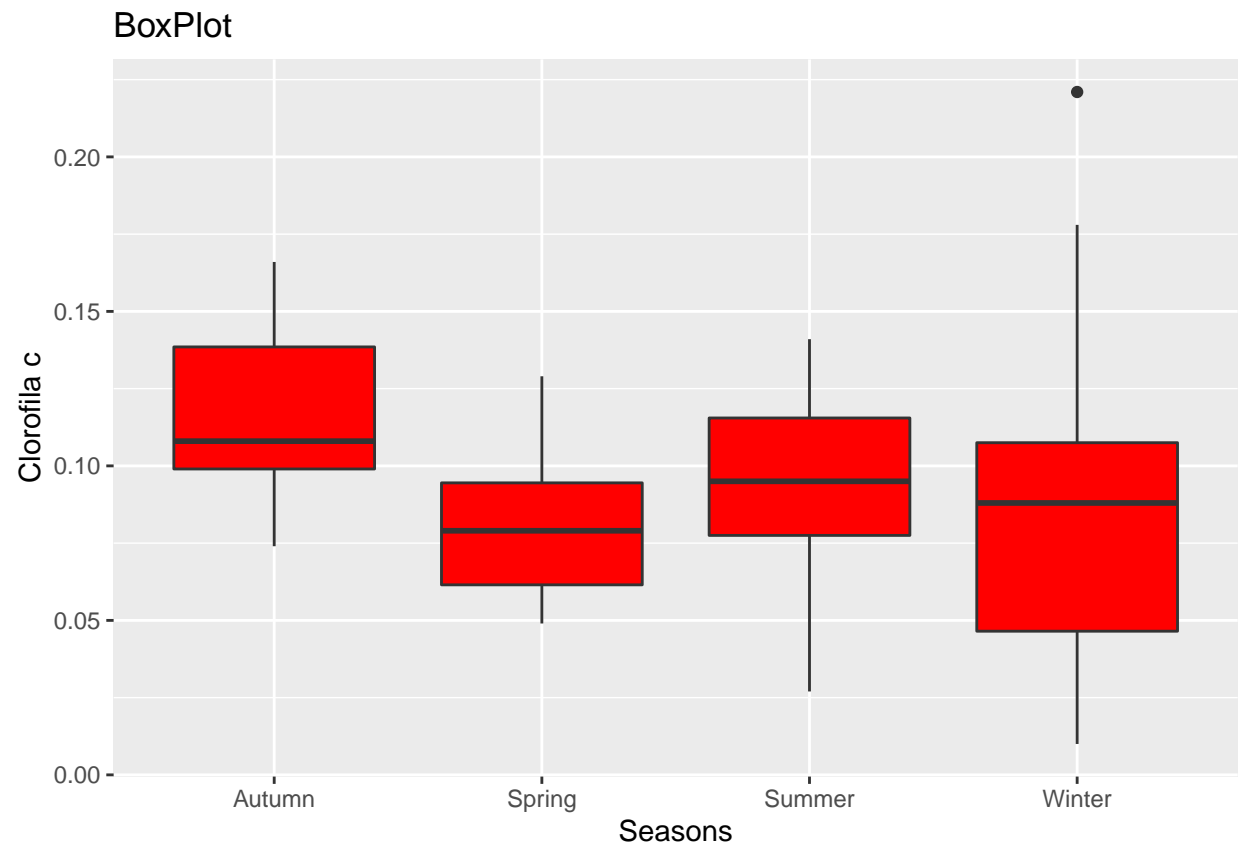


## 5. Relación entre variables continuas y factores (boxplot)

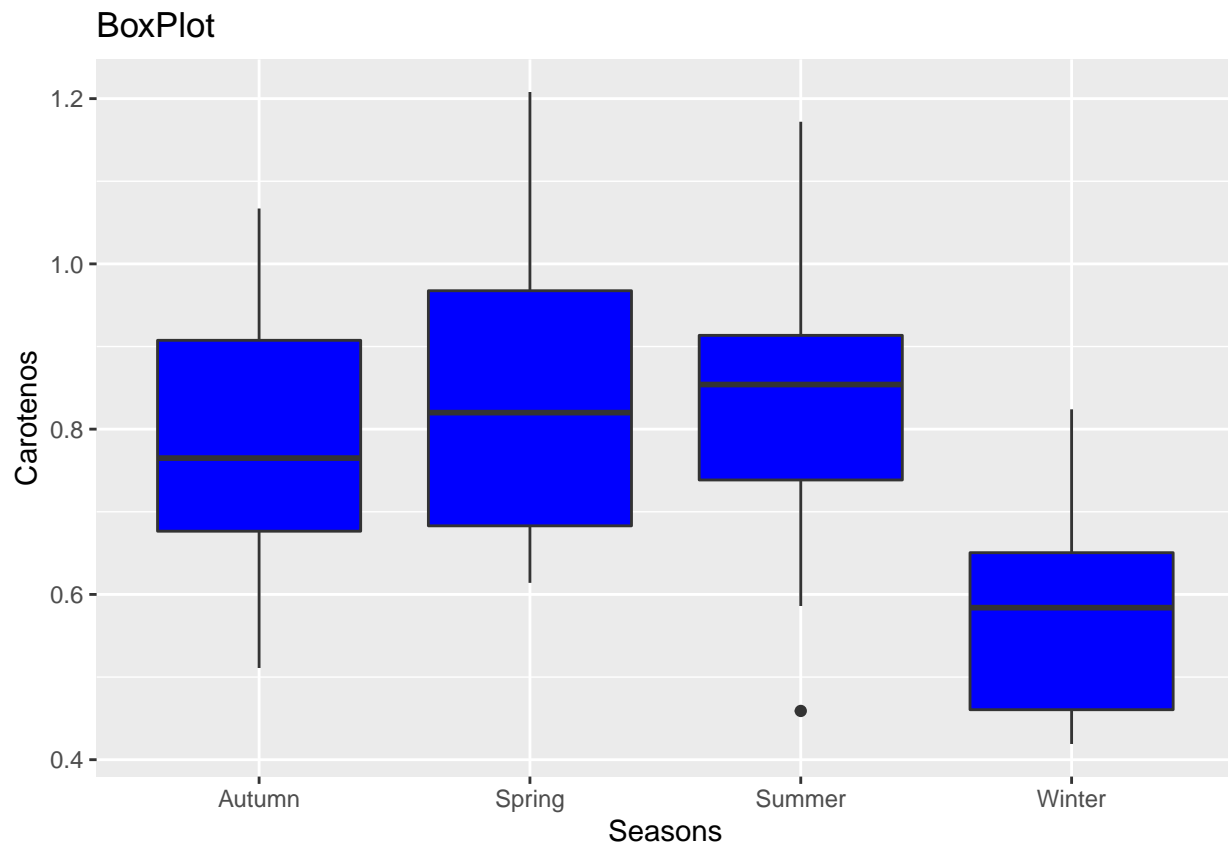
```
ggplot(Datos_Proyecto, aes(x= Seasons, y=Chla))+geom_boxplot(fill="olivedrab1")+labs(title = "BoxPlot",
```



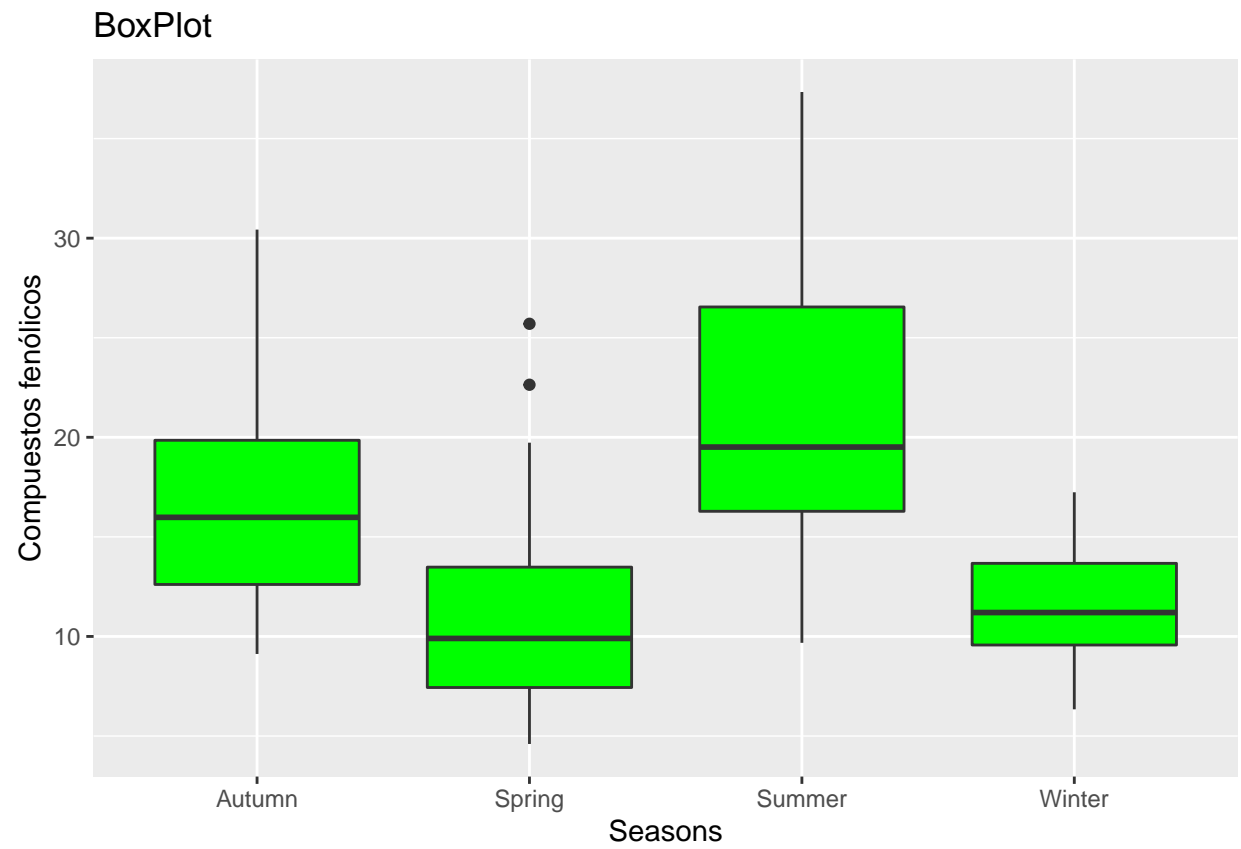
```
ggplot(Datos_Proyecto, aes(x= Seasons, y=Chlc))+geom_boxplot(fill="red")+labs(title = "BoxPlot", x= "Se
```



```
ggplot(Datos_Proyecto, aes(x= Seasons, y=Car))+geom_boxplot(fill="blue")+labs(title = "BoxPlot", x= "Se
```

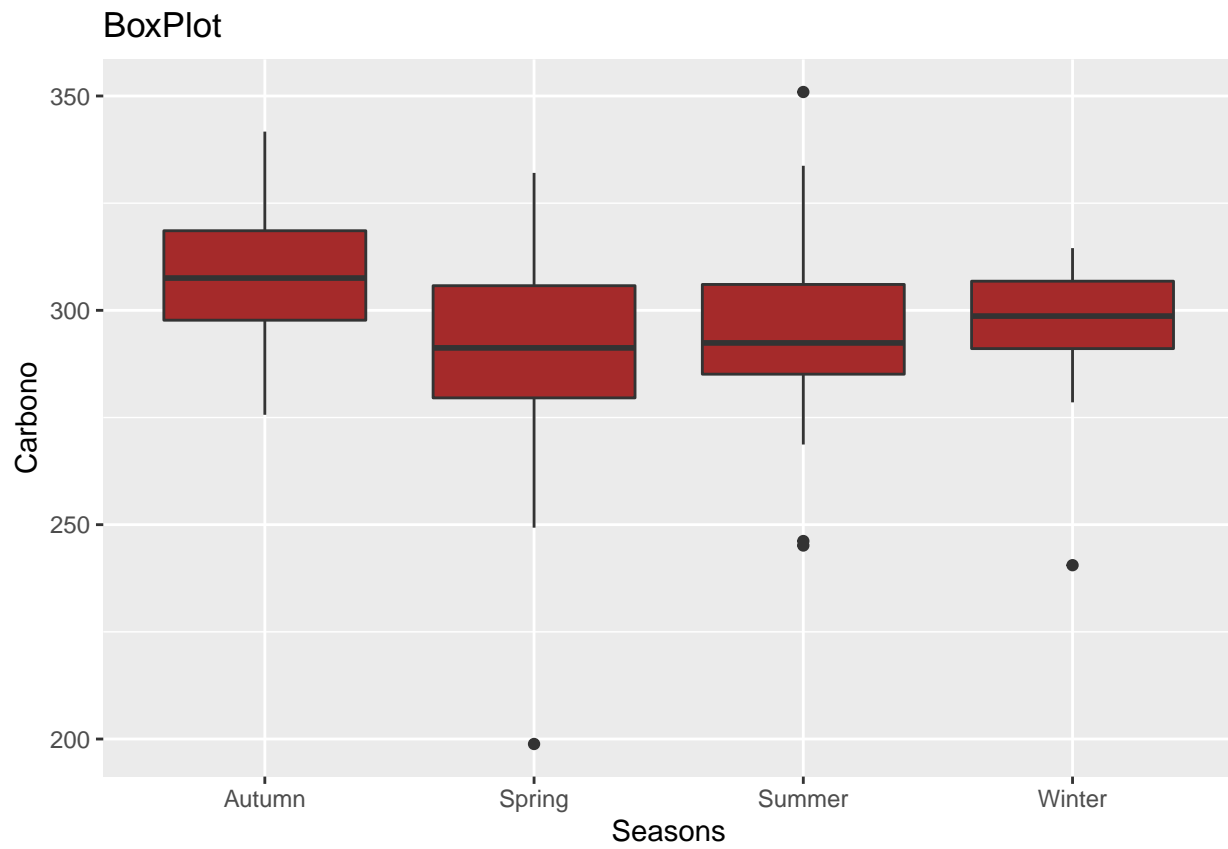


```
ggplot(Datos_Proyecto, aes(x= Seasons, y=PC))+geom_boxplot(fill="green")+labs(title = "BoxPlot", x= "Seasons")
```

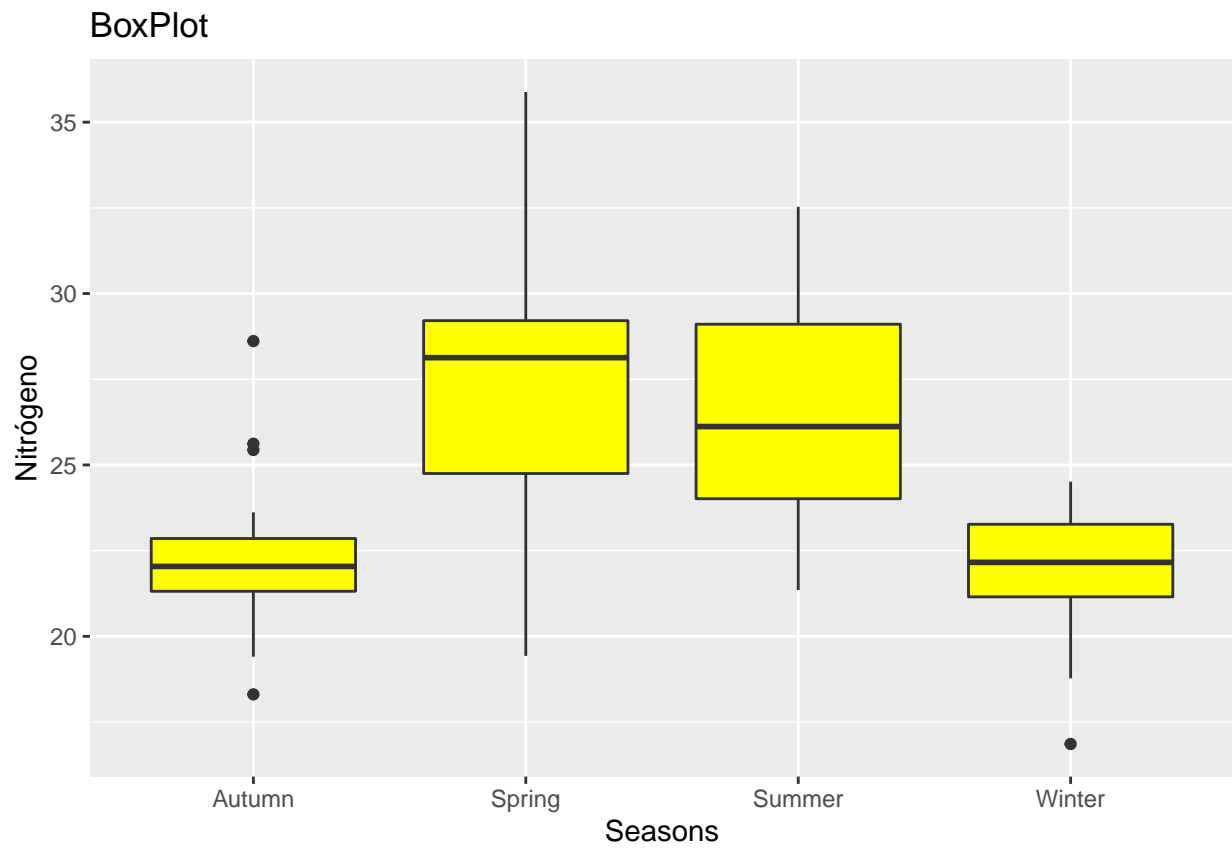


```
ggplot(Datos_Proyecto, aes(x= Seasons, y=C))+geom_boxplot(fill="brown")+labs(title = "BoxPlot", x= "Sea
```

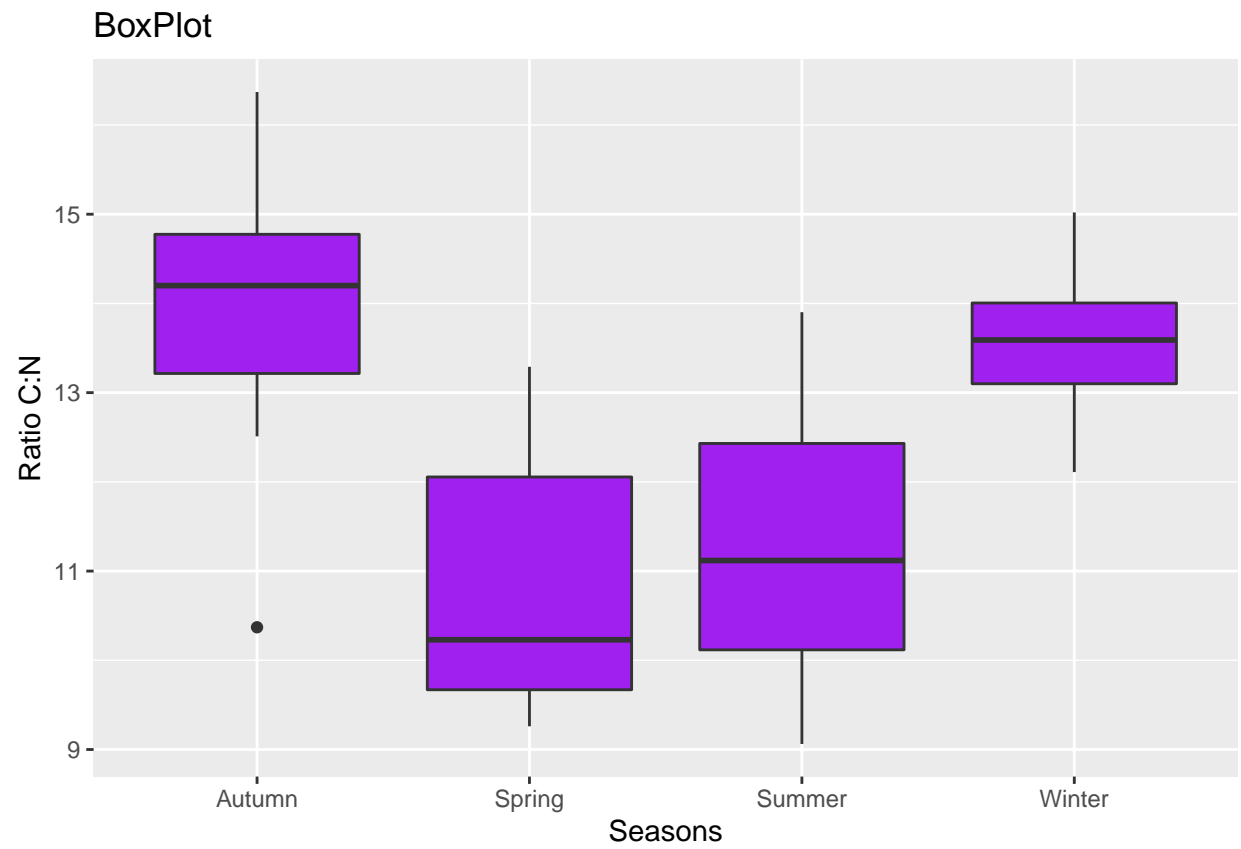




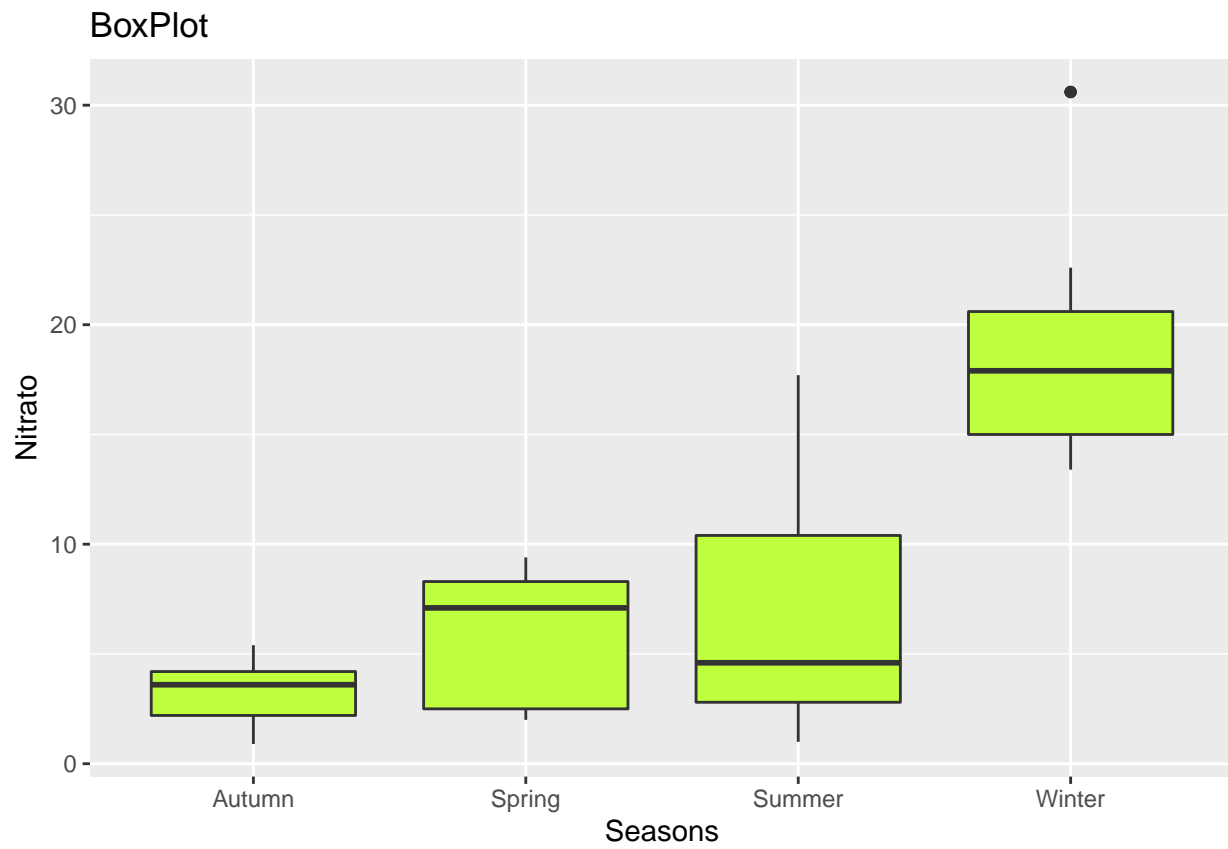
```
ggplot(Datos_Proyecto, aes(x= Seasons, y=N))+geom_boxplot(fill="yellow")+labs(title = "BoxPlot", x= "Seasons")
```



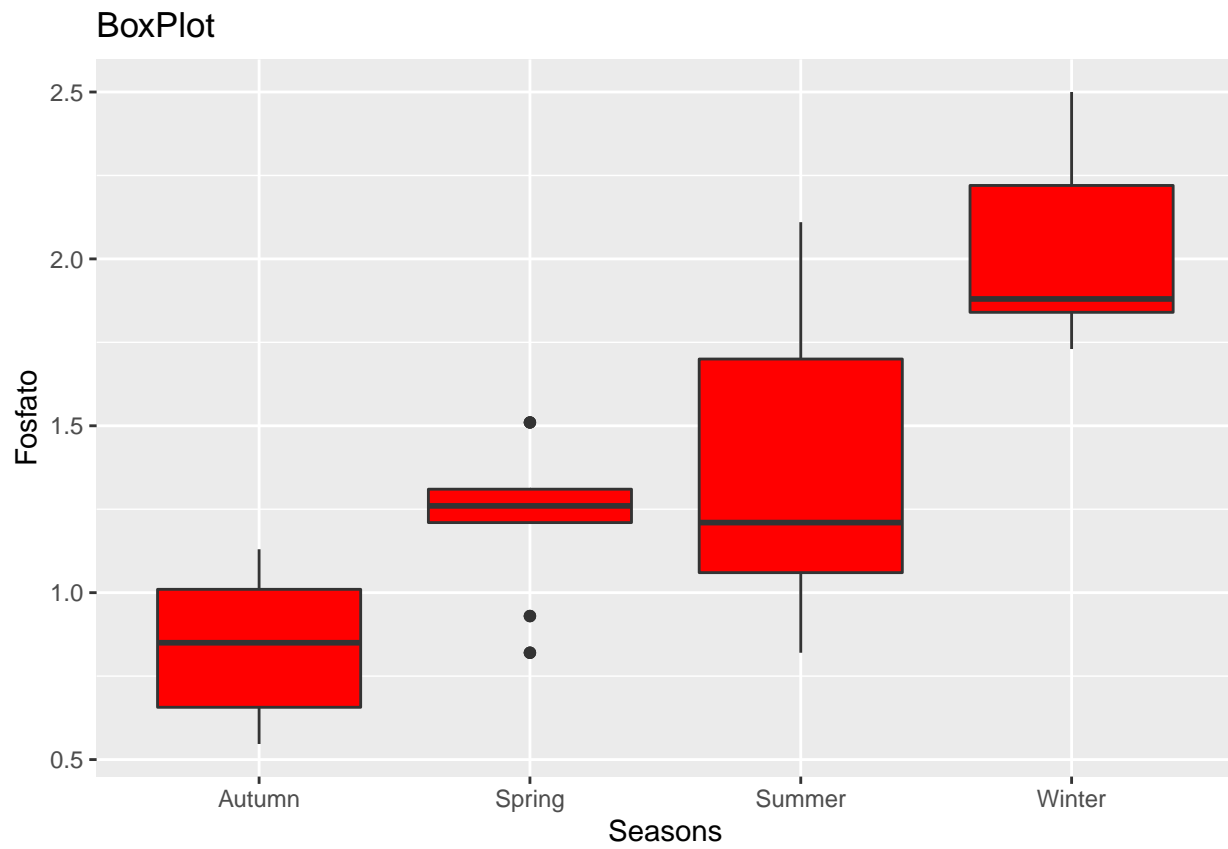
```
ggplot(Datos_Proyecto, aes(x= Seasons, y=Ratio))+geom_boxplot(fill="purple")+labs(title = "BoxPlot", x=
```



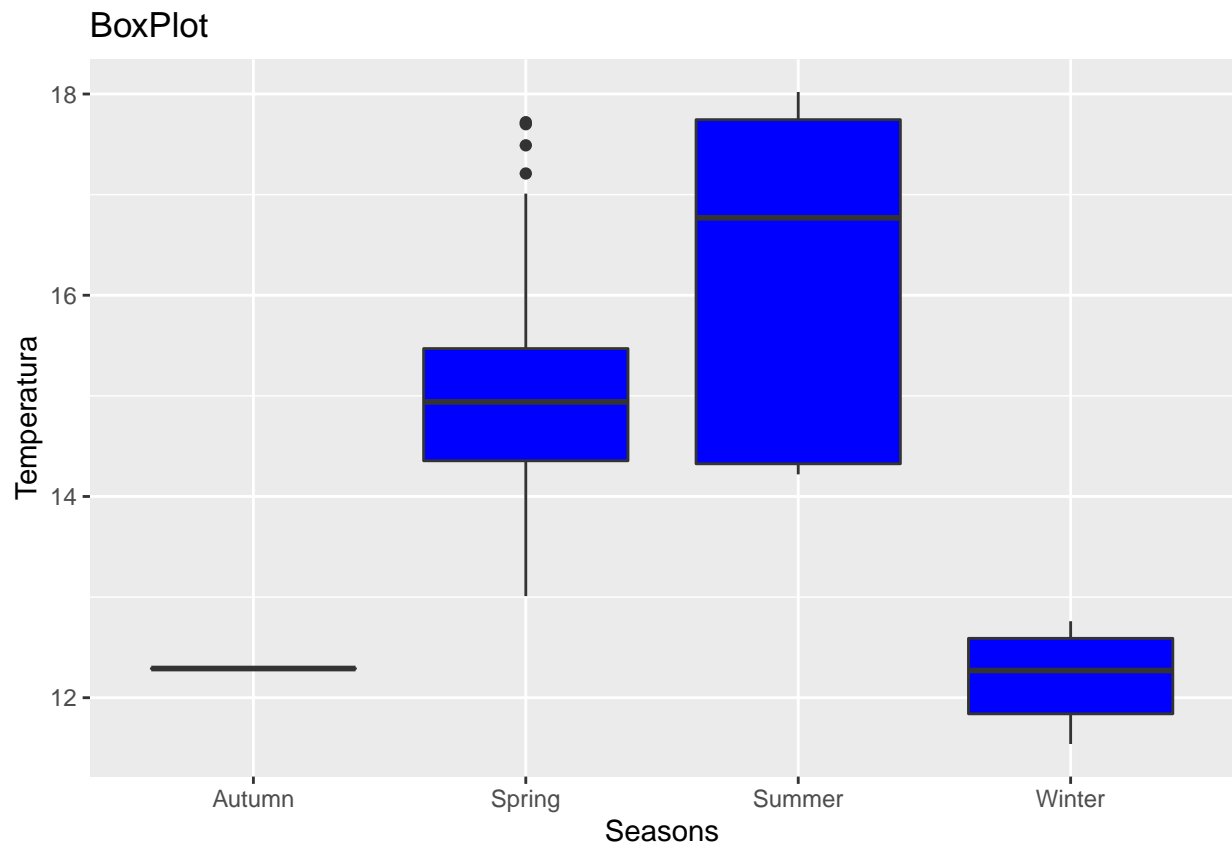
```
ggplot(Datos_Proyecto, aes(x= Seasons, y=Nitrato))+geom_boxplot(fill="olivedrab1")+labs(title = "BoxPlot")
```



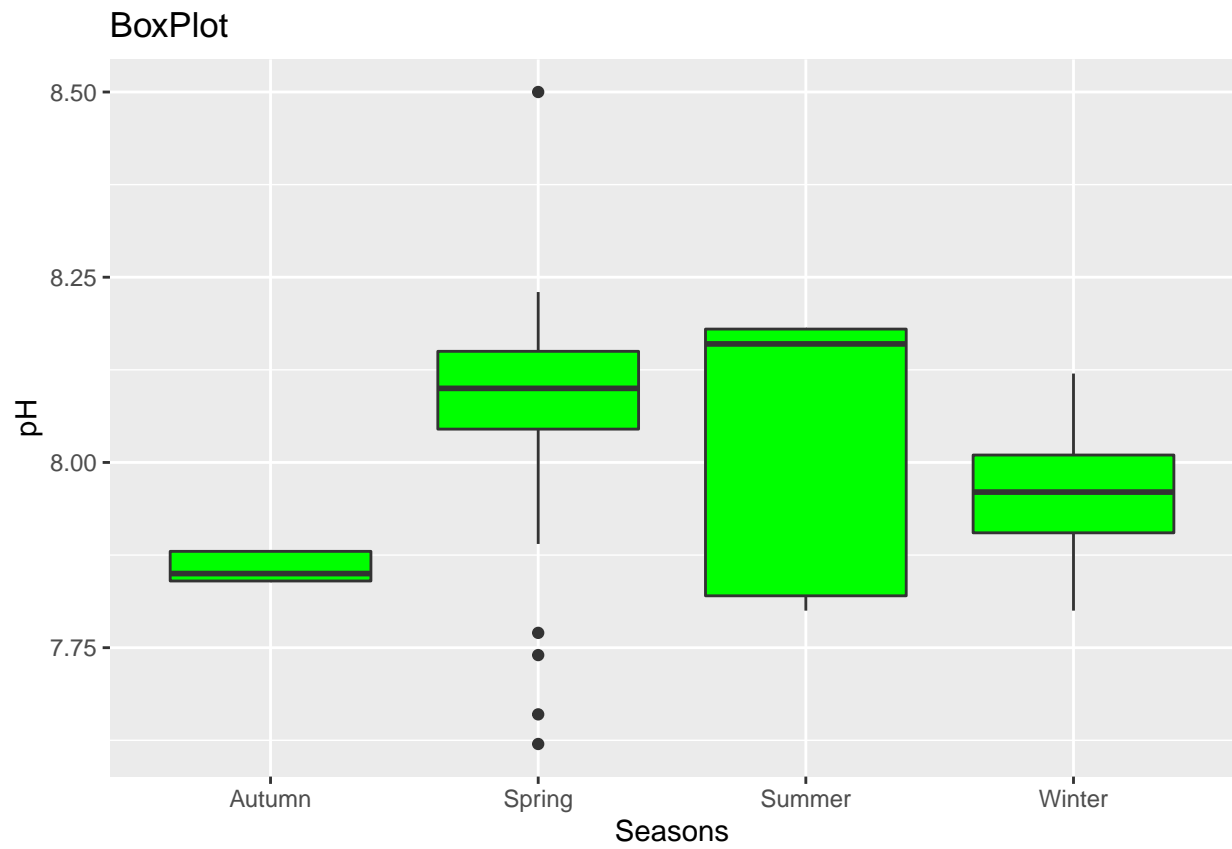
```
ggplot(Datos_Proyecto, aes(x= Seasons, y=Fosfato))+geom_boxplot(fill="red")+labs(title = "BoxPlot", x=
```



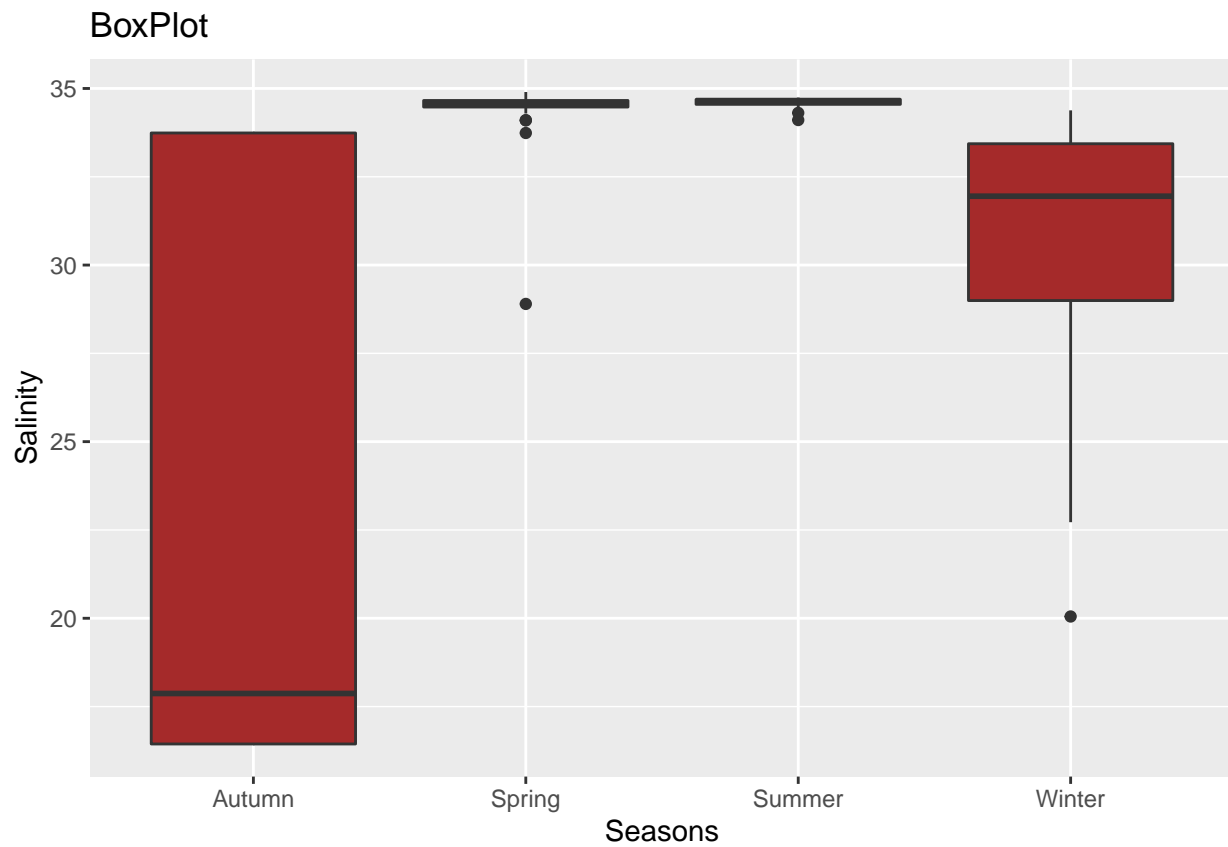
```
ggplot(Datos_Proyecto, aes(x= Seasons, y=Temperature))+geom_boxplot(fill="blue")+labs(title = "BoxPlot")
```



```
ggplot(Datos_Proyecto, aes(x= Seasons, y=pH))+geom_boxplot(fill="green")+labs(title = "BoxPlot", x= "Se
```

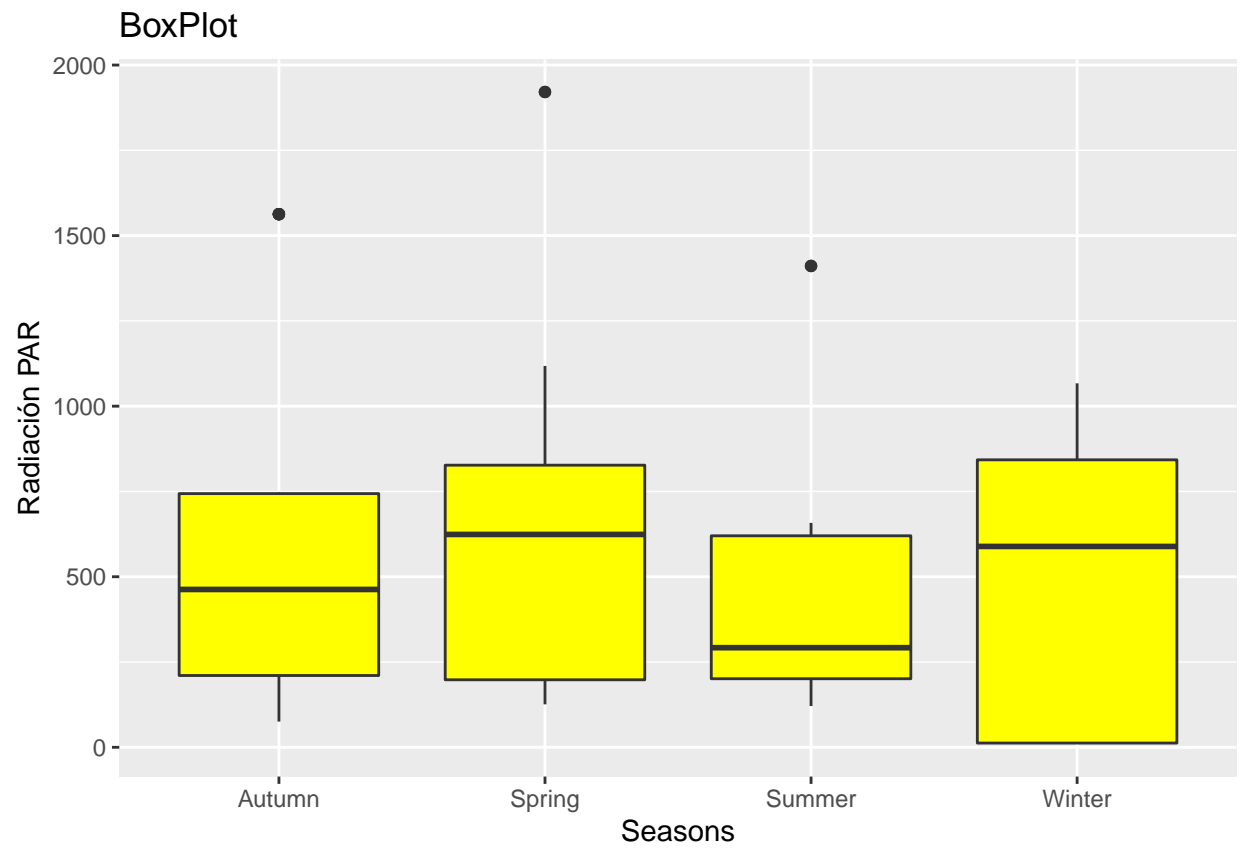


```
ggplot(Datos_Proyecto, aes(x= Seasons, y=Salinity))+geom_boxplot(fill="brown")+labs(title = "BoxPlot",
```

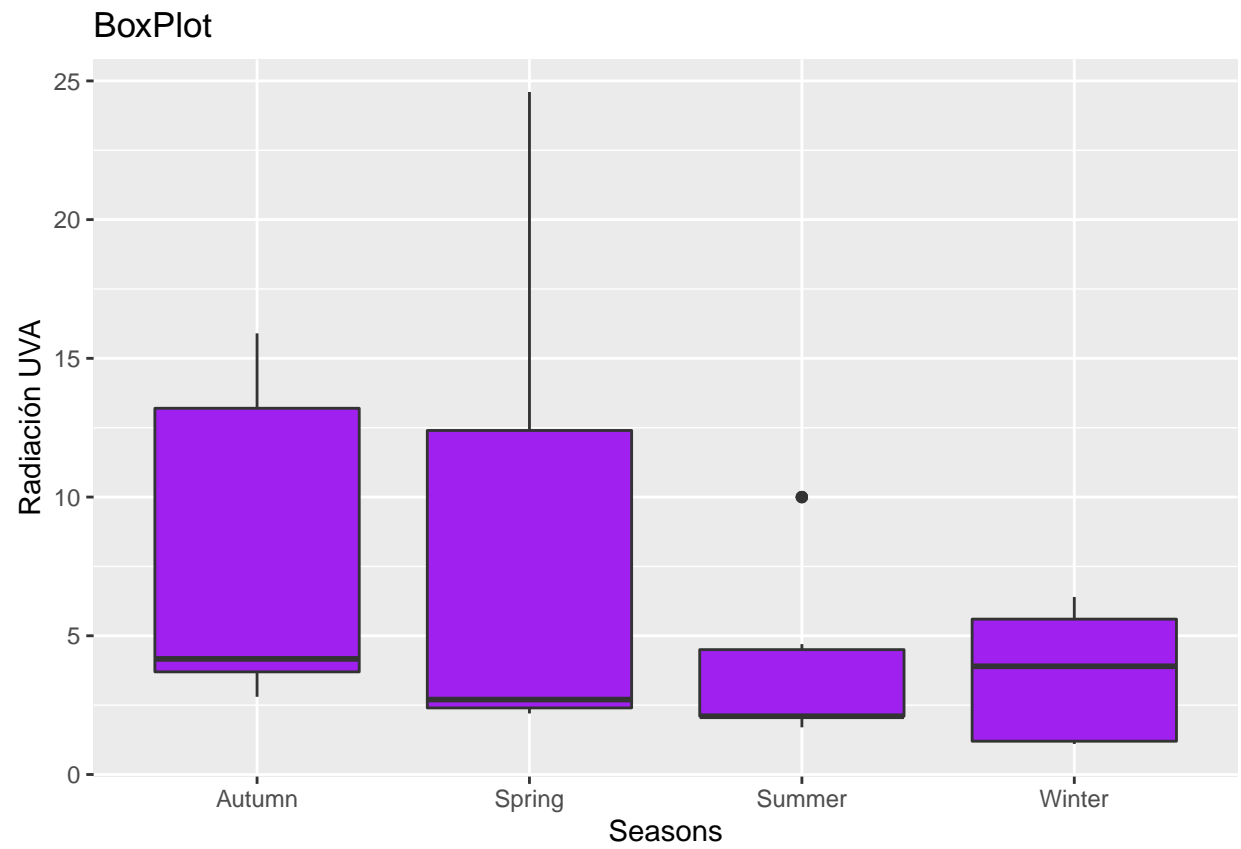


```
ggplot(Datos_Proyecto, aes(x= Seasons, y=PAR))+geom_boxplot(fill="yellow")+labs(title = "BoxPlot", x= "Seasons", y= "PAR")
```

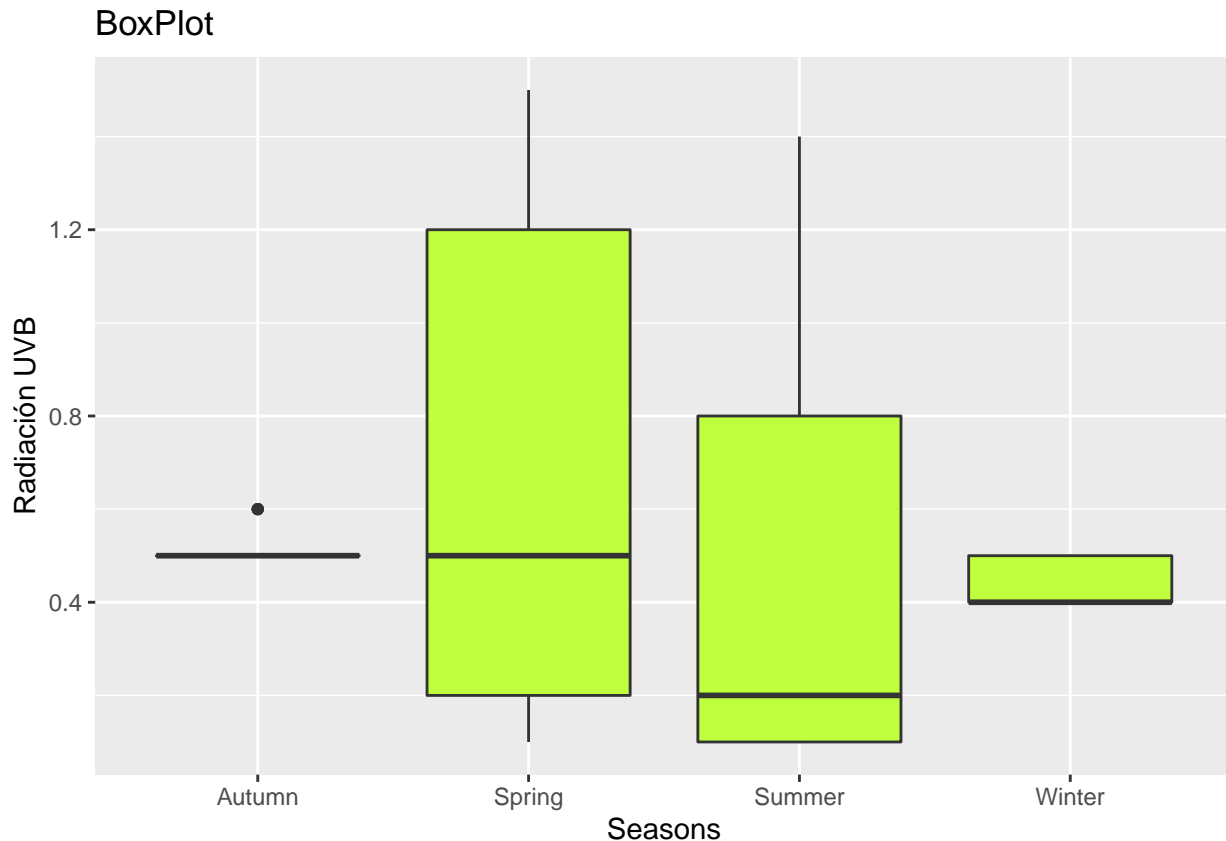




```
ggplot(Datos_Proyecto, aes(x= Seasons, y=UVA))+geom_boxplot(fill="purple")+labs(title = "BoxPlot", x= "Seasons", y= "Radiación PAR")
```



```
ggplot(Datos_Proyecto, aes(x= Seasons, y=UVB))+geom_boxplot(fill="olivedrab1")+labs(title = "BoxPlot",
```



## 6. Identificación de outliers o error atípico

Variable Chlc : para la estación winter se registra un outlier  
 Variable Car : para la estación summer se registra un outlier  
 Variable PC : se registran 2 valores en Spring  
 Variable C : se registra un valor en spring y winter, y 2 valores en summer  
 Variable N: 4 valores en Autumn y 1 en winter  
 Variable Ratio: 1 valor en autumn  
 Variable Nitrato: 1 valor en autumn  
 Variable Fosfato: 3 valores en spring  
 Variable Temperature: 3 valores en spring  
 Variable pH : 5 valores en spring  
 Variable Salinity: 3 valores en spring, 2 en summer y 1 en winter  
 Variable PAR: 1 en autumn, 1 en spring y 1 en summer  
 Variable UVA: 1 summer  
 Variable UVB: 1 en autumn

## 7. Resumen de los datos con tablas y estadística descriptiva

```
str(Datos_Proyecto)
```

```
## tibble [108 x 20] (S3: tbl_df/tbl/data.frame)
## $ Seasons      : Factor w/ 4 levels "Autumn","Spring",...: 1 1 1 1 1 1 1 1 1 1 1 ...
## $ time         : Factor w/ 3 levels "day 1","day 2",...: 1 1 1 1 1 1 1 1 1 2 ...
## $ hours        : Factor w/ 3 levels "hora 1","hora 2",...: 1 1 1 2 2 2 3 3 3 1 ...
## $ Replicate    : Factor w/ 3 levels "R1","R2","R3": 1 2 3 1 2 3 1 2 3 1 ...
## $ Chla         : num [1:108] 1.04 1.6 1.52 1.48 1.14 ...
## $ Chlc         : num [1:108] 0.095 0.155 0.143 0.152 0.108 0.115 0.148 0.105 0.102 0.134 ...
## $ Car          : num [1:108] 0.605 0.954 0.931 0.905 0.694 0.752 0.884 0.659 0.62 0.937 ...
## $ PC           : num [1:108] 9.12 13.87 15.83 19.89 19.81 ...
## $ DPPH         : num [1:108] 7.58 6.08 7.81 7.02 7.2 ...
## $ C            : num [1:108] 315 316 342 330 308 ...
## $ N            : num [1:108] 21.8 20.6 23.6 22.4 22.9 ...
## $ Ratio        : num [1:108] 14.4 15.3 14.5 14.7 13.4 ...
```

```
## $ Nitrato      : num [1:108] 5.1 5.1 5.1 5.4 5.4 5.4 4.2 4.2 4.2 4.2 ...
## $ Fosfato      : num [1:108] 0.85 0.85 0.85 1.02 1.02 1.02 1.13 1.13 1.13 1.01 ...
## $ Temperature: num [1:108] 12.3 12.3 12.3 12.3 12.3 ...
## $ pH           : num [1:108] 7.84 7.84 7.84 7.85 7.85 7.85 7.88 7.88 7.88 7.84 ...
## $ Salinity     : num [1:108] 33.7 33.7 33.7 17.9 17.9 ...
## $ PAR          : num [1:108] 594 594 594 1563 1563 ...
## $ UVA          : num [1:108] 4.17 4.17 4.17 15.9 15.9 ...
## $ UVB          : num [1:108] 0.5 0.5 0.5 0.6 0.6 0.6 0.5 0.5 0.5 0.5 ...
```

```
Datos_Proyecto$Seasons <- as.factor(Datos_Proyecto$Seasons)
Datos_Proyecto$time <- as.factor(Datos_Proyecto$time)
Datos_Proyecto$hours <- as.factor(Datos_Proyecto$hours)
Datos_Proyecto$Replicate <- as.factor(Datos_Proyecto$Replicate)
```

```
table(Datos_Proyecto$Seasons, Datos_Proyecto$time, Datos_Proyecto$hours, Datos_Proyecto$Replicate, Datos_Proyecto$Nitrato)
```

```
## , , = hora 1, = R1, = 0.673
```

```
##
```

```
##
```

```
##      day 1 day 2 day 3
```

```
## Autumn    0    0    0
```

```
## Spring     0    0    0
```

```
## Summer     0    0    0
```

```
## Winter     0    0    0
```

```
##
```

```
## , , = hora 2, = R1, = 0.673
```

```
##
```

```
##
```

```
##      day 1 day 2 day 3
```

```
## Autumn    0    0    0
```

```
## Spring     0    0    0
```

```
## Summer     1    0    0
```

```
## Winter     0    0    0
```

```
##
```

```
## , , = hora 3, = R1, = 0.673
```

```
##
```

```
##
```

```
##      day 1 day 2 day 3
```

```
## Autumn    0    0    0
```

```
## Spring     0    0    0
```

```
## Summer     0    0    0
```

```
## Winter     0    0    0
```

```
##
```

```
## , , = hora 1, = R2, = 0.673
```

```
##
```

```
##
```

```
##      day 1 day 2 day 3
```

```
## Autumn    0    0    0
```

```
## Spring     0    0    0
```

```
## Summer     0    0    0
```

```
## Winter     0    0    0
```

```
##
```

```
## , , = hora 2, = R2, = 0.673
```

```
##
```

```
##
```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 0.673
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 0.673
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 0.673
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 0.673
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 0.745
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 0.745
##
##

```

```

##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 0.745
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      1
##
## , , = hora 1, = R2, = 0.745
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 0.745
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 0.745
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 0.745
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 0.745
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 3, = R3, = 0.745
##
##           day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 1, = R1, = 0.769
##
##           day 1 day 2 day 3
## Autumn      0    0    1
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 2, = R1, = 0.769
##
##           day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 3, = R1, = 0.769
##
##           day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 1, = R2, = 0.769
##
##           day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 2, = R2, = 0.769
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 0.769
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 0.769
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 0.769
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 0.769
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 0.786
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      1      0
##
## , , = hora 2, = R1, = 0.786
##
##

```



```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 0.786
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 0.786
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 0.786
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 0.786
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 0.786
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 0.786
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 0.786
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 0.808
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      1      0      0
##
## , , = hora 2, = R1, = 0.808
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 0.808
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 0.808
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 0.808
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 0.808
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 0.808
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 0.808
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      1
##
## , , = hora 3, = R3, = 0.808
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 0.815
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 0.815
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 0.815
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 0.815
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      1
##
## , , = hora 2, = R2, = 0.815
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 0.815
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 0.815
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 0.815
##
##

```

```

##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 0.815
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 0.816
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 0.816
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 0.816
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      1      0      0
##
## , , = hora 1, = R2, = 0.816
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 0.816
##
##

```

```

##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 0.816
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 0.816
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 0.816
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 0.816
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 0.825
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 0.825
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 0.825
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 0.825
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 0.825
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 0.825
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 0.825
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 0.825
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 0.825
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      1
##
## , , = hora 1, = R1, = 0.826
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 0.826
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 0.826
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 0.826
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 0.826
##
##

```



```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 0.826
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 0.826
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 0.826
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      1      0      0
##
## , , = hora 3, = R3, = 0.826
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 0.832
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 0.832
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 0.832
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 0.832
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 0.832
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 0.832
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      1
## Winter      0      0      0
##
## , , = hora 1, = R3, = 0.832
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 0.832
##
##

```

```

##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 0.832
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 0.835
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 0.835
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 0.835
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 0.835
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      1      0
##
## , , = hora 2, = R2, = 0.835
##
##

```

```

##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 3, = R2, = 0.835
##
##
##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 1, = R3, = 0.835
##
##
##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 2, = R3, = 0.835
##
##
##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 3, = R3, = 0.835
##
##
##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 1, = R1, = 0.855
##
##
##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 2, = R1, = 0.855
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 0.855
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 0.855
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 0.855
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 0.855
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 0.855
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      1      0
##
## , , = hora 2, = R3, = 0.855
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 0.855
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 0.864
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 0.864
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 0.864
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 0.864
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 0.864
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 0.864
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 0.864
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      1      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 0.864
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 0.864
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 0.869
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 0.869
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 0.869
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 0.869
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      1      0      0
##
## , , = hora 2, = R2, = 0.869
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 0.869
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 0.869
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 0.869
##
##

```



```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 0.869
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 0.87
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 0.87
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 0.87
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 0.87
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 0.87
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 0.87
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      1      0      0
##
## , , = hora 1, = R3, = 0.87
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 0.87
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 0.87
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 0.882
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 0.882
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 0.882
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 0.882
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 0.882
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      1      0      0
##
## , , = hora 3, = R2, = 0.882
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 0.882
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 0.882
##
##

```

```

##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 0.882
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 0.883
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 0.883
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 0.883
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 0.883
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 0.883
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 0.883
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 0.883
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      1      0      0
##
## , , = hora 2, = R3, = 0.883
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 0.883
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 0.903
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 0.903
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 0.903
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      1      0
##
## , , = hora 1, = R2, = 0.903
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 0.903
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 0.903
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 0.903
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 0.903
##
##

```

```

##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 0.903
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 0.913
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 0.913
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 0.913
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 0.913
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 0.913
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      1      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 0.913
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 0.913
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 0.913
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 0.913
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 0.919
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 0.919
##
##

```



```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 0.919
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 0.919
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 0.919
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 0.919
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      1      0
##
## , , = hora 1, = R3, = 0.919
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 0.919
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 0.919
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 0.929
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 0.929
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 0.929
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 0.929
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 0.929
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 0.929
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 0.929
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 0.929
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 0.929
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      1      0      0
##
## , , = hora 1, = R1, = 0.936
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 0.936
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 0.936
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 0.936
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 0.936
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 0.936
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 0.936
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      1      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 0.936
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 0.936
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 0.943
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 0.943
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      1      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 0.943
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 0.943
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 0.943
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 0.943
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 0.943
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 0.943
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 0.943
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 0.953
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 0.953
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 0.953
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 0.953
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 0.953
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 0.953
##
##
##           day 1 day 2 day 3
## Autumn      0      1      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 0.953
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 0.953
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 0.953
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 0.954
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 0.954
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      1      0      0
##
## , , = hora 3, = R1, = 0.954
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 0.954
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 0.954
##
##

```



```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 0.954
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 0.954
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 0.954
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 0.954
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 0.967
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 0.967
##
##

```

```

##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 0.967
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 0.967
##
##
##          day 1 day 2 day 3
## Autumn      0      0      1
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 0.967
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 0.967
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 0.967
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 0.967
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 0.967
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 0.996
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      1
##
## , , = hora 2, = R1, = 0.996
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 0.996
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 0.996
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 0.996
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 0.996
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 0.996
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 0.996
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 0.996
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1
##
##

```

```

##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1
##
##
##          day 1 day 2 day 3
## Autumn      0      0      1
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1
##
##

```

```

##          day 1 day 2 day 3
## Autumn    0    0    0
## Spring    0    0    0
## Summer    0    0    0
## Winter    0    0    0
##
## , , = hora 3, = R3, = 1
##
##
##          day 1 day 2 day 3
## Autumn    0    0    0
## Spring    0    0    0
## Summer    0    0    0
## Winter    0    0    0
##
## , , = hora 1, = R1, = 1.005
##
##
##          day 1 day 2 day 3
## Autumn    0    0    0
## Spring    0    0    0
## Summer    0    0    0
## Winter    0    0    0
##
## , , = hora 2, = R1, = 1.005
##
##
##          day 1 day 2 day 3
## Autumn    0    0    0
## Spring    0    0    0
## Summer    0    0    0
## Winter    0    0    0
##
## , , = hora 3, = R1, = 1.005
##
##
##          day 1 day 2 day 3
## Autumn    0    0    1
## Spring    0    0    0
## Summer    0    0    0
## Winter    0    0    0
##
## , , = hora 1, = R2, = 1.005
##
##
##          day 1 day 2 day 3
## Autumn    0    0    0
## Spring    0    0    0
## Summer    0    0    0
## Winter    0    0    0
##
## , , = hora 2, = R2, = 1.005
##
##

```

```

##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.005
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.005
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.005
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.005
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.006
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.006
##
##

```

```

##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 3, = R1, = 1.006
##
##
##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 1, = R2, = 1.006
##
##
##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 2, = R2, = 1.006
##
##
##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 3, = R2, = 1.006
##
##
##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 1, = R3, = 1.006
##
##
##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 2, = R3, = 1.006
##
##

```



```

##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.006
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      1      0
##
## , , = hora 1, = R1, = 1.009
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.009
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.009
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.009
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.009
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.009
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.009
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.009
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.009
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      1      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.013
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.013
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.013
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.013
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.013
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      1
##
## , , = hora 3, = R2, = 1.013
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.013
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.013
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.013
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.021
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.021
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      1
##
## , , = hora 3, = R1, = 1.021
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      1      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.021
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.021
##
##

```

```

##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 3, = R2, = 1.021
##
##
##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 1, = R3, = 1.021
##
##
##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 2, = R3, = 1.021
##
##
##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 3, = R3, = 1.021
##
##
##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 1, = R1, = 1.034
##
##
##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 2, = R1, = 1.034
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      1      0
##
## , , = hora 3, = R1, = 1.034
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.034
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.034
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.034
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.034
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.034
##
##

```

```

##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.034
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.036
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.036
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.036
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.036
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.036
##
##

```

```

##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.036
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.036
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      1      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.036
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.036
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.038
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.038
##
##

```



```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.038
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.038
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.038
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.038
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      1
##
## , , = hora 1, = R3, = 1.038
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.038
##
##

```

```

##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.038
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.04
##
##
##          day 1 day 2 day 3
## Autumn      1      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.04
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.04
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.04
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.04
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.04
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.04
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.04
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.04
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      1
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.058
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      1      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.058
##
##

```

```

##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.058
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.058
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.058
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      1      0
##
## , , = hora 3, = R2, = 1.058
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.058
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.058
##
##

```

```

##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.058
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.063
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.063
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.063
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.063
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.063
##
##

```

```

##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 3, = R2, = 1.063
##
##
##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 1, = R3, = 1.063
##
##
##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    1    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 2, = R3, = 1.063
##
##
##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 3, = R3, = 1.063
##
##
##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 1, = R1, = 1.065
##
##
##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 2, = R1, = 1.065
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.065
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.065
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.065
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.065
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      1      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.065
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.065
##
##

```

```

##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.065
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.074
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.074
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.074
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.074
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.074
##
##

```



```

##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      1
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.074
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.074
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.074
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.074
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.084
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.084
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.084
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.084
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.084
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.084
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.084
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.084
##
##

```

```

##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.084
##
##
##          day 1 day 2 day 3
## Autumn      1      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.108
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.108
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.108
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.108
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.108
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.108
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.108
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      1
##
## , , = hora 2, = R3, = 1.108
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.108
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.118
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.118
##
##

```

```

##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.118
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.118
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.118
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.118
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.118
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.118
##
##

```

```

##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 3, = R3, = 1.118
##
##
##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      1    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 1, = R1, = 1.127
##
##
##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    1    0
## Winter      0    0    0
##
## , , = hora 2, = R1, = 1.127
##
##
##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 3, = R1, = 1.127
##
##
##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 1, = R2, = 1.127
##
##
##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 2, = R2, = 1.127
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.127
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.127
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.127
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.127
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.136
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      1
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.136
##
##

```

```

##          day 1 day 2 day 3
##  Autumn      0      0      0
##  Spring      0      0      0
##  Summer      0      0      0
##  Winter      0      0      0
##
## , , = hora 3, = R1, = 1.136
##
##
##          day 1 day 2 day 3
##  Autumn      0      0      0
##  Spring      0      0      0
##  Summer      0      0      0
##  Winter      0      0      0
##
## , , = hora 1, = R2, = 1.136
##
##
##          day 1 day 2 day 3
##  Autumn      0      0      0
##  Spring      0      0      0
##  Summer      0      0      0
##  Winter      0      0      0
##
## , , = hora 2, = R2, = 1.136
##
##
##          day 1 day 2 day 3
##  Autumn      0      0      0
##  Spring      0      0      0
##  Summer      0      0      0
##  Winter      0      0      0
##
## , , = hora 3, = R2, = 1.136
##
##
##          day 1 day 2 day 3
##  Autumn      0      0      0
##  Spring      0      0      0
##  Summer      0      0      0
##  Winter      0      0      0
##
## , , = hora 1, = R3, = 1.136
##
##
##          day 1 day 2 day 3
##  Autumn      0      0      0
##  Spring      0      0      0
##  Summer      0      0      0
##  Winter      0      0      0
##
## , , = hora 2, = R3, = 1.136
##
##

```



```

##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.136
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.137
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.137
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.137
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.137
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      1      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.137
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.137
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.137
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.137
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.137
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.139
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.139
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.139
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.139
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.139
##
##
##           day 1 day 2 day 3
## Autumn      1      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.139
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.139
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.139
##
##

```

```

##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.139
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.14
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.14
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.14
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.14
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.14
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.14
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.14
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.14
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.14
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      1      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.166
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.166
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.166
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.166
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.166
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.166
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.166
##
##
##           day 1 day 2 day 3
## Autumn      0      0      1
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.166
##
##

```

```

##           day 1 day 2 day 3
## Autumn      1    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 3, = R3, = 1.166
##
##
##           day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 1, = R1, = 1.173
##
##
##           day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 2, = R1, = 1.173
##
##
##           day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 3, = R1, = 1.173
##
##
##           day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 1, = R2, = 1.173
##
##
##           day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 2, = R2, = 1.173
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.173
##
##
##           day 1 day 2 day 3
## Autumn      1      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.173
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.173
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.173
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.176
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.176
##
##

```



```

##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.176
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.176
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.176
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.176
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.176
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.176
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.176
##
##
##           day 1 day 2 day 3
## Autumn      0      0      1
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.182
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.182
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.182
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.182
##
##
##           day 1 day 2 day 3
## Autumn      0      1      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.182
##
##

```

```

##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.182
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.182
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.182
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.182
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.184
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.184
##
##

```

```

##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      1      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.184
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.184
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.184
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.184
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.184
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.184
##
##

```

```

##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.184
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.188
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.188
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.188
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.188
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.188
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.188
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      1      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.188
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.188
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.188
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.19
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.19
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.19
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.19
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      1      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.19
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.19
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.19
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.19
##
##

```

```

##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.19
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.191
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.191
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.191
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      1      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.191
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.191
##
##

```



```

##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.191
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.191
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.191
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.191
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.192
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      1      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.192
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.192
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.192
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.192
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.192
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.192
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.192
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.192
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.199
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.199
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.199
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      1      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.199
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.199
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.199
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.199
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.199
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.199
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.202
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.202
##
##

```

```

##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 3, = R1, = 1.202
##
##
##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 1, = R2, = 1.202
##
##
##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 2, = R2, = 1.202
##
##
##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    1    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 3, = R2, = 1.202
##
##
##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 1, = R3, = 1.202
##
##
##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 2, = R3, = 1.202
##
##

```

```

##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.202
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.21
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.21
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.21
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.21
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.21
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0     1     0
## Spring      0     0     0
## Summer      0     0     0
## Winter      0     0     0
##
## , , = hora 3, = R2, = 1.21
##
##
##           day 1 day 2 day 3
## Autumn      0     0     0
## Spring      0     0     0
## Summer      1     1     0
## Winter      0     0     0
##
## , , = hora 1, = R3, = 1.21
##
##
##           day 1 day 2 day 3
## Autumn      0     0     0
## Spring      0     0     0
## Summer      0     0     0
## Winter      0     0     0
##
## , , = hora 2, = R3, = 1.21
##
##
##           day 1 day 2 day 3
## Autumn      0     0     0
## Spring      0     0     0
## Summer      0     0     0
## Winter      0     0     0
##
## , , = hora 3, = R3, = 1.21
##
##
##           day 1 day 2 day 3
## Autumn      0     0     0
## Spring      0     0     0
## Summer      0     0     0
## Winter      0     0     0
##
## , , = hora 1, = R1, = 1.222
##
##
##           day 1 day 2 day 3
## Autumn      0     0     0
## Spring      0     0     0
## Summer      0     0     0
## Winter      0     0     0
##
## , , = hora 2, = R1, = 1.222
##
##

```

```

##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.222
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.222
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.222
##
##
##          day 1 day 2 day 3
## Autumn      0      0      1
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.222
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.222
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.222
##
##

```



```

##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.222
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.245
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.245
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.245
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.245
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.245
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.245
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.245
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.245
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      1      0
##
## , , = hora 3, = R3, = 1.245
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.256
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.256
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.256
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.256
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.256
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.256
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.256
##
##
##           day 1 day 2 day 3
## Autumn      0      1      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.256
##
##

```

```

##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.256
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.278
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.278
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.278
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.278
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.278
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.278
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      1
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.278
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.278
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.278
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.289
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.289
##
##

```

```

##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 3, = R1, = 1.289
##
##
##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 1, = R2, = 1.289
##
##
##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    1    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 2, = R2, = 1.289
##
##
##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 3, = R2, = 1.289
##
##
##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 1, = R3, = 1.289
##
##
##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 2, = R3, = 1.289
##
##

```

```

##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.289
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.298
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.298
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.298
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.298
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.298
##
##

```

```

##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.298
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.298
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.298
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      1      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.298
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.31
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.31
##
##

```



```

##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.31
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.31
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.31
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.31
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.31
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      1
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.31
##
##

```

```

##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.31
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.319
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.319
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      1
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.319
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.319
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      1      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.319
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.319
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.319
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.319
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.319
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.322
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.322
##
##

```

```

##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.322
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.322
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.322
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.322
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.322
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.322
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      1      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.322
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.329
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.329
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.329
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.329
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.329
##
##

```

```

##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      1      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.329
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.329
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.329
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.329
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.345
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.345
##
##

```

```

##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.345
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      1      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.345
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.345
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.345
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.345
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.345
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.345
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.38
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.38
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.38
##
##           day 1 day 2 day 3
## Autumn      1      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.38
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.38
##
##

```



```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.38
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.38
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.38
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.38
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.385
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.385
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.385
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.385
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.385
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.385
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.385
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.385
##
##

```

```

##          day 1 day 2 day 3
## Autumn      0    0    1
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 3, = R3, = 1.385
##
##
##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 1, = R1, = 1.4
##
##
##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 2, = R1, = 1.4
##
##
##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 3, = R1, = 1.4
##
##
##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 1, = R2, = 1.4
##
##
##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 2, = R2, = 1.4
##
##

```

```

##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.4
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.4
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.4
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.4
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      1      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.414
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.414
##
##

```

```

##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.414
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.414
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.414
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.414
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.414
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.414
##
##

```

```

##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      1
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.414
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.432
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.432
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.432
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.432
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.432
##
##

```

```

##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      1      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.432
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.432
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.432
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.432
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.479
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.479
##
##

```

```

##           day 1 day 2 day 3
## Autumn      1    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 3, = R1, = 1.479
##
##
##           day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 1, = R2, = 1.479
##
##
##           day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 2, = R2, = 1.479
##
##
##           day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 3, = R2, = 1.479
##
##
##           day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 1, = R3, = 1.479
##
##
##           day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 2, = R3, = 1.479
##
##

```



```

##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 3, = R3, = 1.479
##
##
##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 1, = R1, = 1.491
##
##
##          day 1 day 2 day 3
## Autumn      0    1    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 2, = R1, = 1.491
##
##
##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 3, = R1, = 1.491
##
##
##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 1, = R2, = 1.491
##
##
##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 2, = R2, = 1.491
##
##

```

```

##          day 1 day 2 day 3
##  Autumn      0      0      0
##  Spring      0      0      0
##  Summer      0      0      0
##  Winter      0      0      0
##
## , , = hora 3, = R2, = 1.491
##
##
##          day 1 day 2 day 3
##  Autumn      0      0      0
##  Spring      0      0      0
##  Summer      0      0      0
##  Winter      0      0      0
##
## , , = hora 1, = R3, = 1.491
##
##
##          day 1 day 2 day 3
##  Autumn      0      0      0
##  Spring      0      0      0
##  Summer      0      0      0
##  Winter      0      0      0
##
## , , = hora 2, = R3, = 1.491
##
##
##          day 1 day 2 day 3
##  Autumn      0      0      0
##  Spring      0      0      0
##  Summer      0      0      0
##  Winter      0      0      0
##
## , , = hora 3, = R3, = 1.491
##
##
##          day 1 day 2 day 3
##  Autumn      0      0      0
##  Spring      0      0      0
##  Summer      0      0      0
##  Winter      0      0      0
##
## , , = hora 1, = R1, = 1.501
##
##
##          day 1 day 2 day 3
##  Autumn      0      0      0
##  Spring      0      0      0
##  Summer      0      0      1
##  Winter      0      0      0
##
## , , = hora 2, = R1, = 1.501
##
##

```

```

##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.501
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.501
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.501
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.501
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.501
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.501
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.501
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.513
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.513
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.513
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.513
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      1
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.513
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.513
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.513
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.513
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.513
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.521
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.521
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.521
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.521
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.521
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.521
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.521
##
##
##           day 1 day 2 day 3
## Autumn      1      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.521
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.521
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.526
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.526
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.526
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.526
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.526
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.526
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.526
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.526
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      1      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.526
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.531
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.531
##
##

```



```

##           day 1 day 2 day 3
## Autumn      0    0    1
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 3, = R1, = 1.531
##
##
##           day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 1, = R2, = 1.531
##
##
##           day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 2, = R2, = 1.531
##
##
##           day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 3, = R2, = 1.531
##
##
##           day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 1, = R3, = 1.531
##
##
##           day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 2, = R3, = 1.531
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.531
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.547
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.547
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      1
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.547
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.547
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.547
##
##

```

```

##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.547
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.547
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.547
##
##
##          day 1 day 2 day 3
## Autumn      0      1      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.547
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.555
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.555
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.555
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.555
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.555
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.555
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.555
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.555
##
##

```

```

##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      1      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.555
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.558
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.558
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.558
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.558
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.558
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.558
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.558
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.558
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      1
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.558
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.578
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.578
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.578
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.578
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.578
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      1
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.578
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.578
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.578
##
##

```

```

##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 3, = R3, = 1.578
##
##
##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 1, = R1, = 1.591
##
##
##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 2, = R1, = 1.591
##
##
##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    1    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 3, = R1, = 1.591
##
##
##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 1, = R2, = 1.591
##
##
##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 2, = R2, = 1.591
##
##

```



```

##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 3, = R2, = 1.591
##
##
##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 1, = R3, = 1.591
##
##
##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 2, = R3, = 1.591
##
##
##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 3, = R3, = 1.591
##
##
##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 1, = R1, = 1.597
##
##
##          day 1 day 2 day 3
## Autumn      0    0    0
## Spring      0    0    0
## Summer      0    0    0
## Winter      0    0    0
##
## , , = hora 2, = R1, = 1.597
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.597
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.597
##
##
##           day 1 day 2 day 3
## Autumn      1      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.597
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.597
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.597
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.597
##
##

```

```

##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.597
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.611
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.611
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.611
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.611
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.611
##
##

```

```

##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.611
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.611
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      1
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.611
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.611
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.616
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      1      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.616
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.616
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.616
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.616
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.616
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.616
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.616
##
##

```

```

##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.616
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.635
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.635
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.635
##
##
##          day 1 day 2 day 3
## Autumn      0      1      0
## Spring      0      0      1
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.635
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.635
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.635
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.635
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.635
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.635
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.677
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.677
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.677
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.677
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.677
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.677
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.677
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.677
##
##

```



```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.677
##
##
##           day 1 day 2 day 3
## Autumn      0      1      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.699
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.699
##
##
##           day 1 day 2 day 3
## Autumn      0      1      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.699
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.699
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.699
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.699
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.699
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.699
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.699
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.707
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.707
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.707
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      1
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.707
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.707
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.707
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.707
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.707
##
##

```

```

##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.707
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.839
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.839
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.839
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.839
##
##
##          day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.839
##
##

```

```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.839
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.839
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.839
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R3, = 1.839
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      1
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R1, = 1.969
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R1, = 1.969
##
##

```

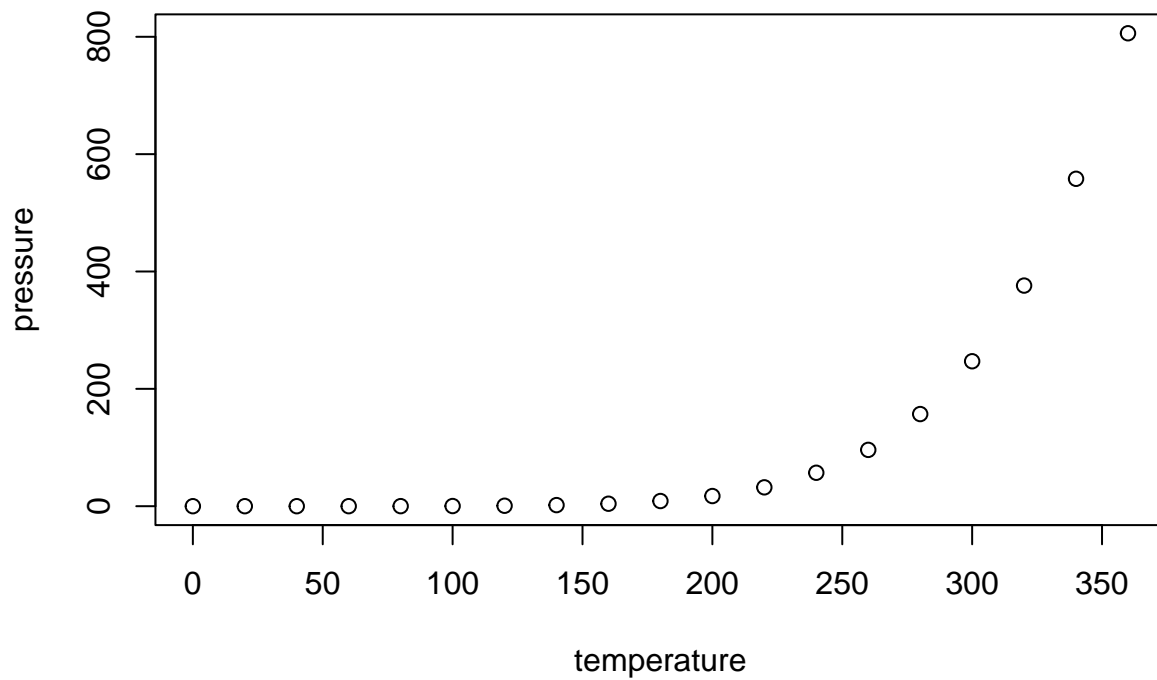
```

##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R1, = 1.969
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R2, = 1.969
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      1
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R2, = 1.969
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 3, = R2, = 1.969
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 1, = R3, = 1.969
##
##
##           day 1 day 2 day 3
## Autumn      0      0      0
## Spring      0      0      0
## Summer      0      0      0
## Winter      0      0      0
##
## , , = hora 2, = R3, = 1.969
##
##

```

```
##           day 1 day 2 day 3
## Autumn      0     0     0
## Spring      0     0     0
## Summer      0     0     0
## Winter      0     0     0
##
## , , = hora 3, = R3, = 1.969
##
##           day 1 day 2 day 3
## Autumn      0     0     0
## Spring      0     0     0
## Summer      0     0     0
## Winter      0     0     0
```

“ You can also embed plots, for example:



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