R Notebook

This is an R Markdown Notebook. When you execute code within the notebook, the results appear beneath the code.

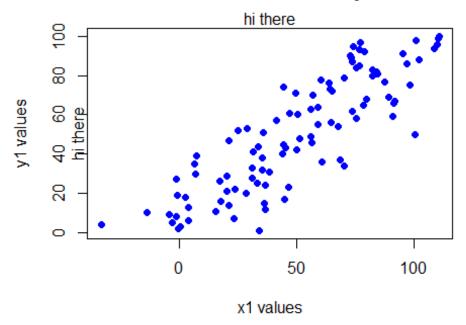
Try executing this chunk by clicking the *Run* button within the chunk or by placing your cursor inside it and pressing *Ctrl+Shift+Enter*.

```
set.seed(1001)
x1 = 1:100 + rnorm(100, mean=0, sd=15)
y1 = 1:100
```

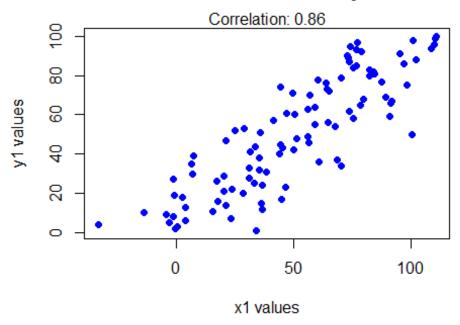
When you save the notebook, an HTML file containing the code and output will be saved alongside it (click the *Preview* button or press *Ctrl+Shift+K* to preview the HTML file).

The preview shows you a rendered HTML copy of the contents of the editor. Consequently, unlike *Knit*, *Preview* does not run any R code chunks. Instead, the output of the chunk when it was last run in the editor is displayed.

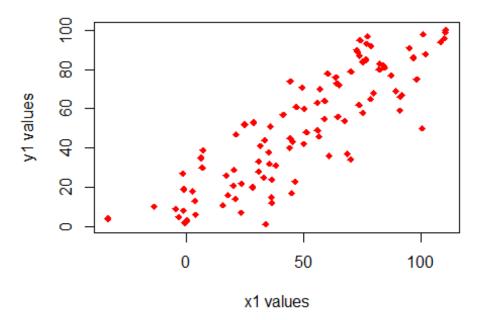
Scatter Plot of x1 vs y1



Scatter Plot of x1 vs y1

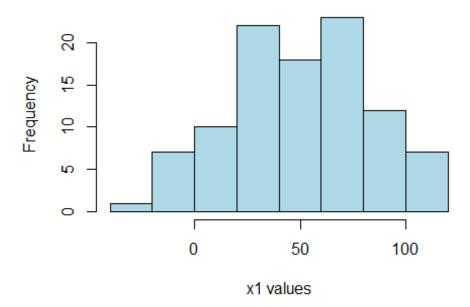


Scatter Plot with pch=18

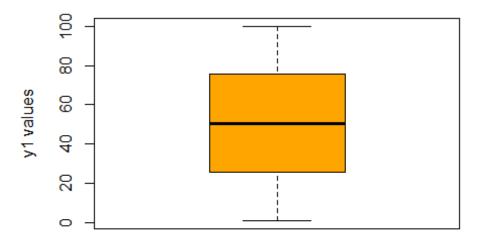


```
hist(x1,
    main="Histogram of x1",
    xlab="x1 values",
    col="lightblue",
    border="black")
```

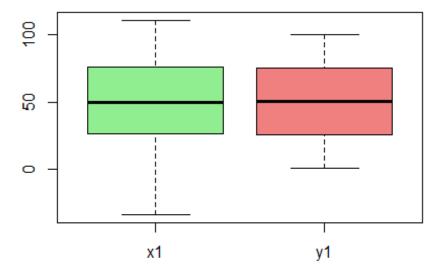
Histogram of x1



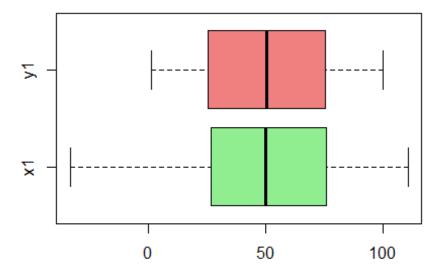
Boxplot of y1



Boxplots of x1 and y1

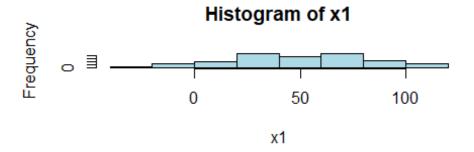


Horizontal Boxplots of x1 and y1



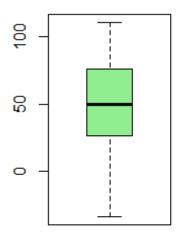
Boxplot of x1

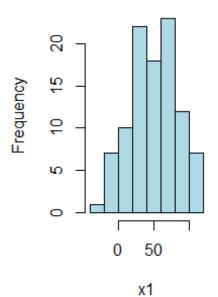




Boxplot of x1

Histogram of x1





```
pdf("my_plots.pdf")

# Refaire tous les graphiques dans le PDF
par(mfrow=c(2,2))
plot(x1, y1, main="Scatter Plot", xlab="x1", ylab="y1", col="blue", pch=19)
hist(x1, main="Histogram of x1", col="lightblue")
boxplot(y1, main="Boxplot of y1", col="orange")
boxplot(x1, y1, names=c("x1", "y1"), main="Boxplots", col=c("lightgreen",
"lightcoral"))

dev.off() # Fermer le fichier PDF

## png
## 2

# Ouvrir un fichier PDF pour sauvegarder les graphiques
pdf("mes_graphiques.pdf")
```