Première partie R functions

Time Series

Time Series Data (Introductory Time Series with R)

Time Series Data				
Function	Description	Possible Values	Example	
ts	Produces a time series object.		<pre>series.obj <- ts(data = sample(x = seq(from = 98, to = 102), size = 10, frequency = 4, start = c(1956, 2)) series.obj ## Qtr1 Qtr2 Qtr3 Qtr4 ## 1956 98 99 ## 1957 100 100 98 100 ## 1958 99 102 101 aggregate(x = series.obj,</pre>	
aggregate	Creates an aggregated series.			
ts.plot	Produces a time series plot for one (or more) series.			

Function	Description	Possible Values	Example
window	Extracts a subset of a time series.	Same arguments as the other time series functions.	<pre>window(x = series.obj, start = c(1957), end = c(1957, 4)) ## Qtr1 Qtr2 Qtr3 Qtr4 ## 1957 100 100 98 100</pre>
time	Extracts the time from a time series object.		<pre>time(series.obj) ## Qtr1 Qtr2 Qtr3 Qtr4 ## 1956 1956.25 1956.50 1956.75 ## 1957 1957.00 1957.25 1957.50 1957.75 ## 1958 1958.00 1958.25 1958.50 series.obj2 <- ts(data = sample(x = seq(from = 98, to = 102), size = 10, frequency = 4,</pre>
ts.intersect	Creates the intersection of one (or more) time series.	Chiffre.	start = c(1957, 2)) ts.intersect(series.obj, series.obj2) ## series.obj series.obj2 ## 1957 Q2 100 101 ## 1957 Q3 98 99
			## 1957 Q4 100 98 ## 1958 Q1 99 101 ## 1958 Q2 102 101 ## 1958 Q3 101 100
cycle	Returns the season for each value in a time series.	Booléen.	importance = TRUE
decompose	Decompose a time series into the components.	Chiffre.	nodesize = 5
🗘 ressource <mark>st1</mark> ct/Guide c	de sur Decomposes a time series using loess smoothing.	Chiffre.	nodesize = 5