Road to install pyRserve and Rserve to connect Python and R

Installing pyRserve for Python 3.6 or more

pip3 install pyRserve

(maybe pip instead of pip3)

Installing Rserve for R

Within R

> install.packages("Rserve")

you are asked for a CRAN server, chose into a list

maybe your system will ask permission to create a folder; allow it

Launching Rserve (any System)

always within R

>library(Rserve)
>Rserve()
>Rserve(args="--no-save") in Mac OSX

now you can quit R
>q()

in Windows
Rserve
when executed, can ask (only once for ever) to reply to a firewall screen, with yes to all the options

Interaction between Python and R

Interactive example in the IDLE shell
>>> import pyRserve
>>> conn = pyRserve.connect(host="localhost")
>>> conn
<Handle to Rserve on localhost:6311>
>>> conn.r("33+9”)
42.0
>>> conn.close()
>>> conn
<Closed handle to Rserve on localhost:6311>
>>>

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please, read

http://packages.python.org/pyRserve/manual.html

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look at the example
timeSeriesNNs
in our Python repository at
http://terna.to.it/econophysics17/Python_examples/

stopping Rserve (daemon) which wait for messages to be addressed to R

in Mac, use the Monitor (is in the Utility apps) and close the process Rserve-bin.so

in Linux (via terminal) find the Rserve-bin.so process number with
ps x
suppose that the process number is 111, finally use
kill 111

in Windows find the process Rserve with Alt+Ctrl+Del
go to Windows Task Manager
and then

in Processes
stop
Rserve

ANYWAY you can have the Rserve process running in memory without any problem; its consumes an irrelevant quota of the CPU time.