

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>
```

```
>>>
```

please, [read](#)

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

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.