

Persistence across chunks with R and Python

Lets define x in R

```
# running R
x <- 1
```

Does R remember?

```
# running R
x
```

```
## [1] 1
```

yes it does!

```
# running python
y = 1
```

Does python remember?

```
# running python
try:
    print(y)
except:
    print("I do not remember 'y'")
```

```
## I do not remember 'y'
```

```
sessionInfo()
```

```
## R version 3.4.2 (2017-09-28)
## Platform: x86_64-pc-linux-gnu (64-bit)
## Running under: Ubuntu 16.04.3 LTS
##
## Matrix products: default
## BLAS: /usr/lib/openblas-base/libblas.so.3
## LAPACK: /usr/lib/libopenblas-r0.2.18.so
##
## locale:
##  [1] LC_CTYPE=en_IN.UTF-8      LC_NUMERIC=C
##  [3] LC_TIME=en_IN.UTF-8      LC_COLLATE=en_IN.UTF-8
##  [5] LC_MONETARY=en_IN.UTF-8  LC_MESSAGES=en_IN.UTF-8
##  [7] LC_PAPER=en_IN.UTF-8    LC_NAME=C
##  [9] LC_ADDRESS=C            LC_TELEPHONE=C
## [11] LC_MEASUREMENT=en_IN.UTF-8 LC_IDENTIFICATION=C
##
## attached base packages:
## [1] stats      graphics  grDevices  utils      datasets  methods    base
##
## loaded via a namespace (and not attached):
##  [1] compiler_3.4.2  backports_1.1.0 magrittr_1.5    rprojroot_1.2
##  [5] tools_3.4.2    htmltools_0.3.6 yaml_2.1.14     Rcpp_0.12.12
##  [9] stringi_1.1.5   rmarkdown_1.6  knitr_1.17      stringr_1.2.0
## [13] digest_0.6.12  evaluate_0.10.1
```

```
import IPython
print(IPython.sys_info())
```

```
## {'commit_hash': u'5c9c918',  
## 'commit_source': 'installation',  
## 'default_encoding': 'UTF-8',  
## 'ipython_path': '/usr/local/lib/python2.7/dist-packages/IPython',  
## 'ipython_version': '5.1.0',  
## 'os_name': 'posix',  
## 'platform': 'Linux-4.4.0-96-generic-x86_64-with-Ubuntu-16.04-xenial',  
## 'sys_executable': '/usr/bin/python',  
## 'sys_platform': 'linux2',  
## 'sys_version': '2.7.12 (default, Nov 19 2016, 06:48:10) \n[GCC 5.4.0 20160609]'}  

```