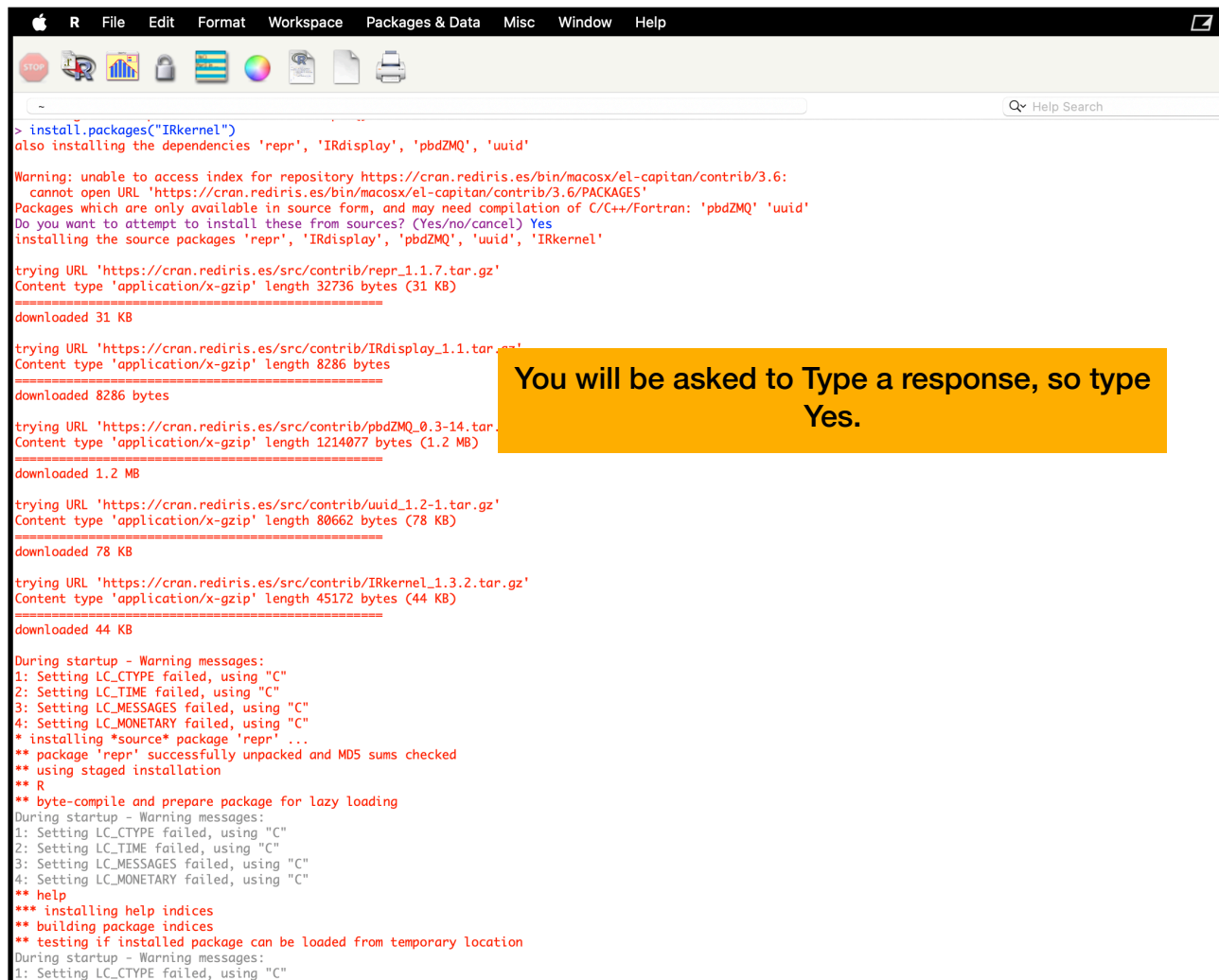


How to register R kernel with Jupyter?

1. Open R Console or R Studio and run the following command:
`install.packages("IRkernel")`



```
> install.packages("IRkernel")
also installing the dependencies 'repr', 'IRdisplay', 'pbdZMQ', 'uuid'

Warning: unable to access index for repository https://cran.rediris.es/bin/macosx/el-capitan/contrib/3.6:
  cannot open URL 'https://cran.rediris.es/bin/macosx/el-capitan/contrib/3.6/PACKAGES'
Packages which are only available in source form, and may need compilation of C/C++/Fortran: 'pbdZMQ' 'uuid'
Do you want to attempt to install these from sources? (Yes/no/cancel) Yes
installing the source packages 'repr', 'IRdisplay', 'pbdZMQ', 'uuid', 'IRkernel'

trying URL 'https://cran.rediris.es/src/contrib/repr_1.1.7.tar.gz'
Content type 'application/x-gzip' length 32736 bytes (31 KB)
=====
downloaded 31 KB

trying URL 'https://cran.rediris.es/src/contrib/IRdisplay_1.1.1.tar.gz'
Content type 'application/x-gzip' length 8286 bytes
=====
downloaded 8286 bytes

trying URL 'https://cran.rediris.es/src/contrib/pbdZMQ_0.3-14.tar.gz'
Content type 'application/x-gzip' length 1214077 bytes (1.2 MB)
=====
downloaded 1.2 MB

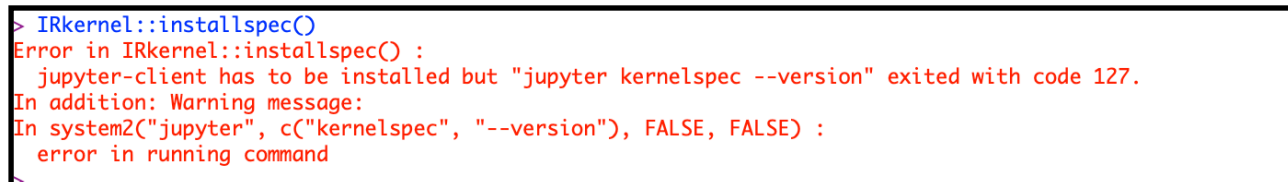
trying URL 'https://cran.rediris.es/src/contrib/uuid_1.2-1.tar.gz'
Content type 'application/x-gzip' length 80662 bytes (78 KB)
=====
downloaded 78 KB

trying URL 'https://cran.rediris.es/src/contrib/IRkernel_1.3.2.tar.gz'
Content type 'application/x-gzip' length 45172 bytes (44 KB)
=====
downloaded 44 KB

During startup - Warning messages:
1: Setting LC_CTYPE failed, using "C"
2: Setting LC_TIME failed, using "C"
3: Setting LC_MESSAGES failed, using "C"
4: Setting LC_MONETARY failed, using "C"
* installing *source* package 'repr' ...
** package 'repr' successfully unpacked and MD5 sums checked
** using staged installation
** R
** byte-compile and prepare package for lazy loading
During startup - Warning messages:
1: Setting LC_CTYPE failed, using "C"
2: Setting LC_TIME failed, using "C"
3: Setting LC_MESSAGES failed, using "C"
4: Setting LC_MONETARY failed, using "C"
** help
*** installing help indices
** building package indices
** testing if installed package can be loaded from temporary location
During startup - Warning messages:
1: Setting LC_CTYPE failed, using "C"
```

You will be asked to Type a response, so type Yes.

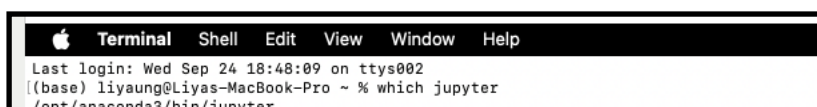
2. Installation will proceed, wait a moment
3. Open R Console or R Studio and run the second command:
`IRkernel::installspec()`



```
> IRkernel::installspec()
Error in IRkernel::installspec() :
  jupyter-client has to be installed but "jupyter kernelspec --version" exited with code 127.
In addition: Warning message:
In system2C("jupyter", c("kernelspec", "--version"), FALSE, FALSE) :
  error in running command
```

4. Make sure Jupyter is installed. Now help R Console to find the Jupyter path. Open Terminal in your Mac and type:

which jupyter



```
Terminal Shell Edit View Window Help
Last login: Wed Sep 24 18:48:09 on ttys002
[(base) liyaung@Liyas-MacBook-Pro ~ % which jupyter
/opt/anaconda3/bin/jupyter
```

5. Now type the path you found into the previous R command and run it in R Console:

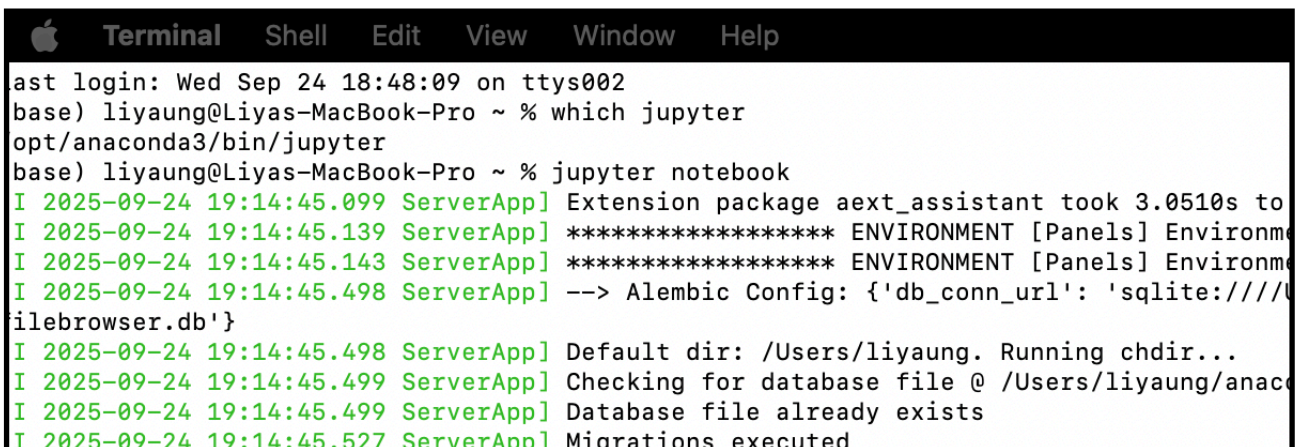
```
Sys.setenv(PATH = paste(Sys.getenv("PATH"), "/opt/anaconda3/bin", sep = ":"))  
IRkernel::installspec()
```

```
> Sys.setenv(PATH = paste(Sys.getenv("PATH"), "/opt/anaconda3/bin", sep = ":"))  
> IRkernel::installspec()  
>
```

If no Error the R kernel should be available in Jupyter.

6. Close Jupyter. In Mac Terminal open Jupyter via running the following command:

```
jupyter notebook
```

A screenshot of a Mac Terminal window. The title bar shows 'Terminal' with menu items 'Shell', 'Edit', 'View', 'Window', and 'Help'. The terminal output shows a successful login on 'Wed Sep 24 18:48:09 on ttys002'. The user runs 'which jupyter' and gets the path '/opt/anaconda3/bin/jupyter'. Then they run 'jupyter notebook'. The output shows several log messages from the 'ServerApp' indicating that the 'aext_assistant' extension package took 3.0510s to load, the environment is being set up, the Alembic config is being loaded, and the database file already exists. The terminal text is as follows:

```
ast login: Wed Sep 24 18:48:09 on ttys002  
base) liyaung@Liyas-MacBook-Pro ~ % which jupyter  
opt/anaconda3/bin/jupyter  
base) liyaung@Liyas-MacBook-Pro ~ % jupyter notebook  
I 2025-09-24 19:14:45.099 ServerApp] Extension package aext_assistant took 3.0510s to  
I 2025-09-24 19:14:45.139 ServerApp] ***** ENVIRONMENT [Panels] Environme  
I 2025-09-24 19:14:45.143 ServerApp] ***** ENVIRONMENT [Panels] Environme  
I 2025-09-24 19:14:45.498 ServerApp] --> Alembic Config: {'db_conn_url': 'sqlite:///filebrowser.db'}  
I 2025-09-24 19:14:45.498 ServerApp] Default dir: /Users/liyaung. Running chdir...  
I 2025-09-24 19:14:45.499 ServerApp] Checking for database file @ /Users/liyaung/ana  
I 2025-09-24 19:14:45.499 ServerApp] Database file already exists  
I 2025-09-24 19:14:45.527 ServerApp] Migrations executed
```

