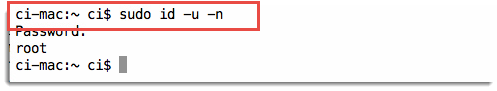
# ASReml-R 3 Mac Installation Guide

The current VSN builds of the ASReml-R plugin are available only for the following versions of the R Framework:

* MacOS-R 3.0.0 through to 3.3.1(64 bit only)
* MacOS-R 3.5 (64 bit only)

**Note:** Before installing ASReml-R onto your Mac box you must ensure that you have the above listed R Framework installed.

1. Go to the ASReml Knowledge Base <https://asreml.kb.vsni.co.uk/knowledge-base/asreml-r-3-download/>
2. Download ASReml-R for Macintosh.  
   When downloaded, the file will be called asreml\_3.0\_R\_jy-apple-darwin.tar.gz.
3. Log in to your Mac and open a terminal window.
4. Use the 'sudo' tool to run the installation process with root privilege. Verify that you have permission to use sudo. Type:  
   sudo id -u -n then press ENTER.

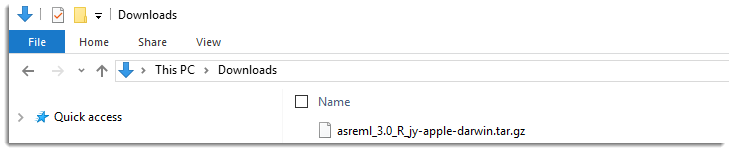


1. Enter your password.   
   If your password is not accepted you will need to ask your system administrator to either install the software for you, or to add your user ID to the sudo users' list so that you can continue with the installation.

**Note:** Proceed with the installation only if you can successfully use the sudo command.

## Installing and Loading the Package

The file asreml\_3.0\_R\_jy-apple-darwin.tar.gz. was downloaded to my 'Downloads' folder. This may have downloaded to a different location on your computer.



You can either leave the file in its download location or move it to another folder where you want to install ASReml. You will need to tell R the folder location when you type the command to install the package.

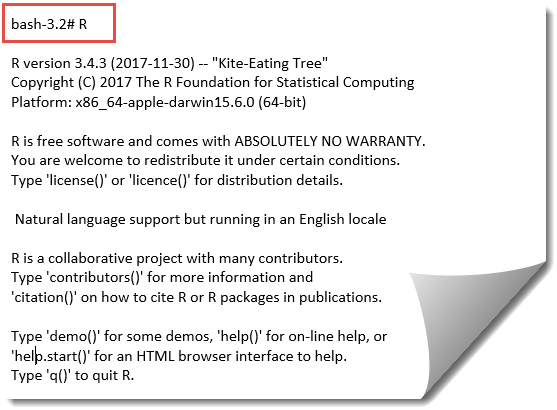
1. Type the following command to install the package. If required, replace the folder name Downloads with the name of the folder where you saved the file.  
   R CMD INSTALL --no-test-load Downloads/asreml\_3.0\_R\_jy-apple-darwin.tar.gz  
   then press ENTER.



ASReml will install and return you to the command prompt.

You will now set your current working directory to your Home folder so that you can easily locate the registration file.

1. At the command prompt type:  
   setwd("~") then press ENTER.
2. To run R, at the command prompt type R then press ENTER.



1. Now type the following:  
   > install.packages("~/Downloads/asreml\_3.0\_R\_jy-apple-darwin.tar.gz",repos=NULL,type="source",INSTALL\_opts=c("--no-test-load"))

Next, load the newly installed ASReml R package using the library function. This will proclaim that a license registration file has been created as no license was found.

1. At the command prompt type:  
   library(asreml) then press ENTER.

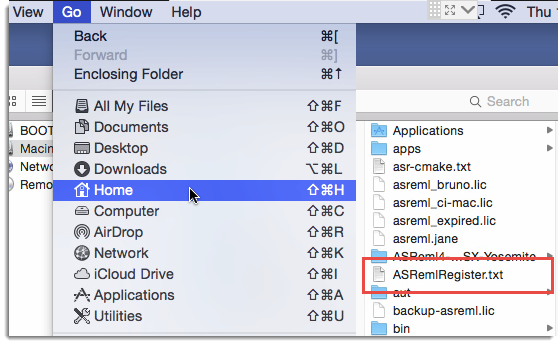


This will create a file called ASRemlRegister.txt in your Home folder.

## Requesting a License Key

Now you need to locate and edit the ASRemlRegister.txt file in your Home folder. You can do this using the command prompt or using your Mac's GUI.

* To use the command prompt:  
  Type cd then press ENTER  
  Type ls A\* then press ENTER.
* To use the Mac GUI, from the menu select Go>Home.



1. Edit the ASRemlRegister.txt file and update any empty fields before sending it to [support@vsni.co.uk](mailto:support@vsni.co.uk).

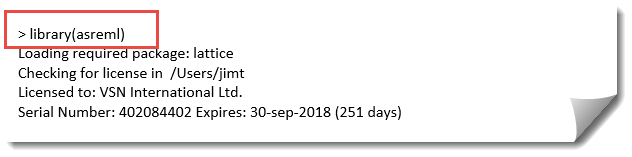
We will then send you a license file.

## Installing a License Key

You will receive a license key email from VSN. The license email will look similar to the following:



1. Right-click the asreml.lic file attached to the email and Save As a .lic file in your home directory.
2. Open an R session and load the ASReml library.To do this, at the command prompt type:  
   library(asreml)



1. Confirm that the package is ready for use by typing the following command:  
   example(asreml)

