

Go to <<https://www.sagemath.org/download.html>>, pick a repository, choose the Apple Mac OS X version and download the latest version on the list whose name ends with .app.dmg. Open the .dmg file and copy the SageMath-x.x.app (where x.x is the version number of Sage) to your Desktop. Rename SageMath-x.x.app to SageMath.app and move it into /Applications. Make a symbolic link of the sage executable in /usr/local/bin:

```
cd /usr/local/bin
sudo ln -s /Applications/SageMath.app/Contents/Resources/sage/sage .
```

and then make sure sage is expanded by running

```
cd
sage --version
```

which *may* generate quite a few lines of output and finally end with a line giving the version number of the sage you are running.

Next create a sagetex folder in /usr/local/texlive/texmf-local/tex/latex and make a symbolic link of sagetex.sty in that folder:

```
cd /usr/local/texlive/texmf-local/tex/latex
sudo mkdir sagetex
cd sagetex
sudo ln -s \
  /Applications/SageMath.app/Contents/Resources/sage/local/share/texmf/tex/latex/sagetex.sty .
sudo mktexlsr
```

to allow \TeX to use the sagetex package.

When the SageMath application is updated copy it to your Desktop, rename it to SageMath.app as noted above and then drag and drop it onto the Applications folder, simply replacing the version already there. There is no need to rebuild the symbolic links. You should the run

```
cd
sage --version
```

which again *may* generate quite a few lines of output and finally end with a line giving the version number of the sage you are running.