

Publish your package

Share the fun!

There are three ways to distribute your package

- Build a source or binary package
- Upload it on GitHub
- Publish it on CRAN (official package repository)

Create a source or binary package

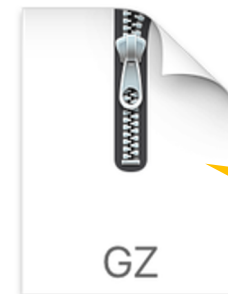
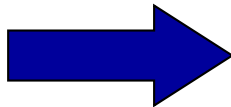
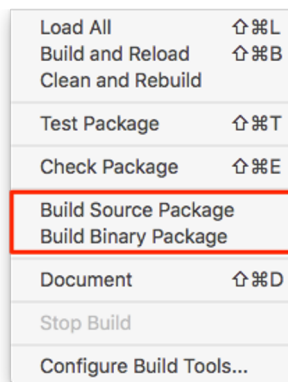
Create a compressed file which may be shared with others in the "Build"-Menu:

Source Package

Package contains all R source code which can be extracted again. Can be installed on all platforms (Windows, MacOS, Linux)

Binary Package

Compiled code that can be executed. R source code can not be extracted. Can only be installed on the platform for which it is produced.



File is saved in the same location as your package folder.

myRFMpackage_0.1.0.tar.gz

Why should you upload your package on GitHub?

Benefits of publishing your package on GitHub

- GitHub issue tracking: others have the possibility to report issues
- GitHub pull request: others may actively fix or enhance your code
- Easy installation directly from GitHub using the `install_github()` command from the devtools package.

GitHub

<https://github.com>

Put your package on GitHub

1. Go to github.com and create a new empty repository. Save the repository URL (<https://github.com/yournamehere/repository.git>). Do not add a README yet.

2. Type the following in the shell, ensure that you are in your current root directory of the package you want to upload:

```
git init
```

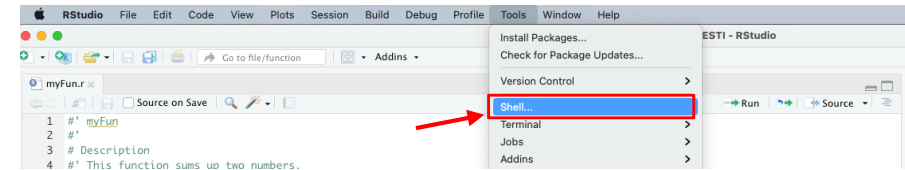
```
git remote add origin
```

```
https://github.com/yournamehere/repository.git
```

```
git add .
```

```
git commit -m "initial commit"
```

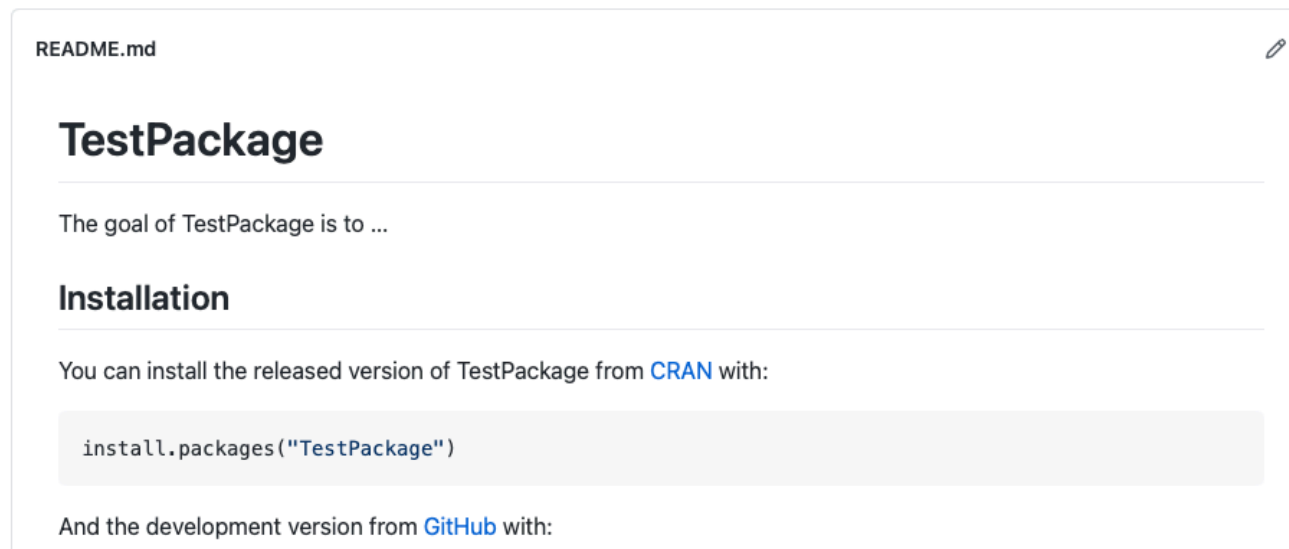
```
git push -u origin master
```



Replace this with
your repository URL.

Publish your package

GitHub will automatically recognize your README file and display it in your repository (<https://github.com/yournamehere/repository.git>):



Publish your package on CRAN

Benefits:

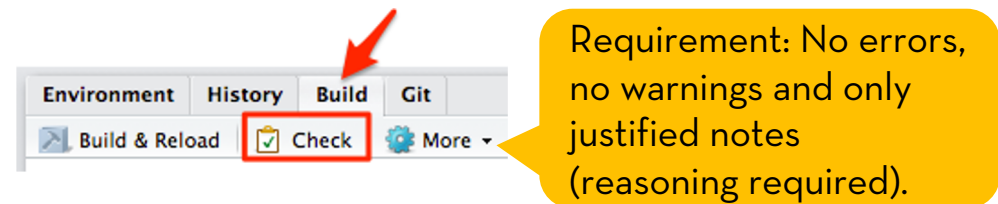
- Very easy installation for other users.
- Broad reach of users.

Disadvantages:

- Checks required.
- Very strict submission policies:

<https://cran.r-project.org/web/packages/policies.html>

Submit your package here: <https://cran.r-project.org/submit.html>



Now it's your turn!