

# Property Allocation Shiny App Setup Guide

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June 12, 2020

## Setting up GitHub

In order to run the application locally, you will first need to install the `propalloc` R package and all of its dependencies on your machine first.

Because `propalloc` is a private Github repository, this means an additional step is necessary to access the repo for installation. This is done via the **Github Personal Access Token (PAT)**.

## Creating and Storing your GitHub PAT

Get and store a PAT:

1. Sign up for a free GitHub.com account and sign in if you do not already have an account setup.
2. Call `usethis::browse_github_token()`.
3. Verify the scopes and click “Generate token”.
4. Copy the token right away!
5. Store the copied token in your `.Renvirom` as the `GITHUB_PAT` environment variable.  
`usethis::edit_r_envirom()` opens this file for editing.

Step-by-step:

First, install the `usethis` package via:

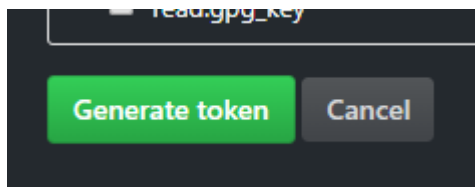
```
install.packages("usethis")
```

To setup the PAT run the code below which simply checks for a PAT already on your machine, and if you do not have one, it opens the web-browser for you to set one up.

```
if (usethis::github_token() == "") {  
  usethis::browse_github_pat()  
}
```

On the webpage, first be sure to copy the token to your clipboard.

Next, simply scroll down and select “Generate Token”.



Now, move back into RStudio and run the code:

```
usethis::edit_r_environ()
```

In the opened file, store the Github PAT as a system environment variable by assigning it the the key "GITHUB\_PAT". Here's a screenshot of my Renviron:



```
GITHUB_PAT=91001027-2051-2074-2045202177-2045-2051-7
```

Your's should look the same but with the copied token after 'GITHUB\_PAT=', for example:

```
GITHUB_PATH=<paste from clipboard>
```

Then save the .Renvron file (Ctrl + S) and restart RStudio (Ctrl+Shift+F10).

## Install propalloc

Now that you have Github setup its time to install the R package.

You can install the production version of the app from the **master** branch, or a development version from the **develop** branch.

Code to install the package:

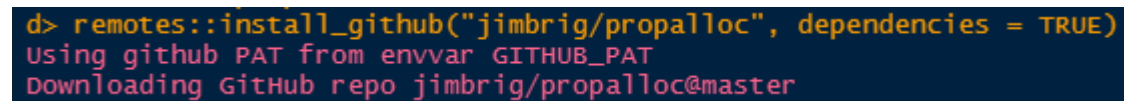
```
# for master branch
remotes::install_github("jimbrig/propalloc", dependencies = TRUE)

# for develop branch
remotes::install_github("jimbrig/propalloc", ref = "develop", dependencies = TRUE)
```

If you get an error related to the **auth\_token** then add this argument to the call:

```
remotes::install_github("jimbrig/propalloc",
                        dependencies = TRUE,
                        auth_token = "<your Github PAT>")
```

If this works you should see something similar to this after running the command:



```
d> remotes::install_github("jimbrig/propalloc", dependencies = TRUE)
Using github PAT from envvar GITHUB_PAT
Downloading Github repo jimbrig/propalloc@master
```

If prompted to update existing packages do so as you wish.

Lastly, you will need to install some additional packages by running **propalloc**'s custom function:

```
propalloc::install_app_dependencies()
```

Finally, restart R one more time and to run the app run:

```
propalloc::run_app()
```