

Website using R and Netlify

Bharat Bhushan Verma PhD

RMarkdown, Hugo and Netlify

Basic Setup

- Ensure that you have Rstudio and GitHub account
- Ensure blogdown package in R environment
- Run: `> blogdown::install_hugo()`
- Initialize an empty GitHub repository with your website name
- Create a new project in R using the repository link
- Run: `> blogdown::new_site()`
- Serve the website

Create Personal Access Token

- From your GitHub account, go to
- **Settings => Developer Settings => Personal Access Token => Generate New Token** (Give your password) => **Fillup the form => click Generate token => Copy the generated Token**
- Windows: Go to **Credential Manager** from **Control Panel** => **Windows Credentials** => find git:https://github.com => **Edit** => On Password replace with with your **GitHub Personal Access Token** => You are Done
- Windows: Click on the Spotlight icon (magnifying glass) on the right side of the menu bar. Type **Keychain access** then press the Enter key to launch the app => In Keychain Access, search for github.com => Find the **internet password** entry for github.com => Edit or delete the entry accordingly => You are done

Configure the Website

- Configure YAML
- Modify the pages as desired
- Commit the modified pages
- Push the changes to the repository

Modify Hugo Website

Customize the website

- Open the Website Project
- Go to Content > Post and delete all files and folders
- Go to content> About.md and suitably modify
- Exercise

R Academic Website

Setup

- Create a github repository with suitable name
- Copy the git repository url.
- Create a new R Project
 - Choose Version Control
 - Choose Git
 - Paste the git repository URL.
- Install blogdown package if needed.
- `library(blogdown)`
- `new_site(theme = "wowchemy/starter-hugo-academic")`

Modify the Template

- Go to Content > Home > Hero.md
 - Add “active: false” to hide this widget.
- Go to Content > Home > demo.md
 - Change “active: false” to hide this widget.
- Go to Content > Authors > Admin > _index.md
 - Customize the content
- Change the Image
 - You can go to unsplash.com to pick free images.
- Activate deactivate widgets of your choice.
- To change order of widgets, Change the weight in the widgets

Rmarkdown, Distill and Netlify

Setup

- Install package **distill** and **usethis**
- Create a new project
 - Choose New directory
 - Choose Distill Blog
 - Give it a suitable name
- Go to Build
 - Select Build Website
- Usethis: : use_git()
 - Select **No way**
 - Select **Yes** for restart
- Go to Git and commit all files
- Usethis: : use_github()