

Create a personal Website



with blogdown

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<https://github.com/rstudio/blogdown>



Image credit: [Yihui.name](#)

Personal website and blogdown

Why we need a personal website?

How can we create a personal website?

What is **blogdown**?

Why blogdown?

Where can I host my personal website?

What is blogdown?

In short: An R package based on **R Markdown** and **Hugo**



Introduction to blogdown

blogdown based on R Markdown and Hugo package in R

- R Markdown
 - Very simple grammar
 - Easy to output analysis results into various formats and reproducible
 - Could handle more complicate Math, tables and figures, reference and even proofs.
- Hugo
 - Open source, easy to install
 - Very FAST: about 1ms per page.
 - Very wide scope of use (Blog is only one of many uses)

Getting started

- **RStudio** 1.0 or higher

RStudio IDE provide powerful GUI help you complete common blog website editing without remember too much syntax.

- **blogdown** package

- install latest version of **blogdown**.

```
install.packages("blogdown")
```

- **Hugo**

- Can be install using blogdown package inside R.

```
blogdown::install_hugo()
```

- **Git**

- Help you track your own progress
- Simplify the deployment process

Blogdown demo

- Create a **website using blogdown** project

In RStudio addins

- "Serve Site"
- "New Post"
- "Update Metadata"

A typical workflow when write a new post

- Open the website project in RStudio
- Click "New post" button in **Addins**
- Write contents and save.
- Take a look at the automatically rendered preview
- Revise and save again
- Commit and push to Git

Website project directory structure

```
.
├─ archetypes
├─ config.toml
├─ content
│   └─ post <<- path: `baseurl/post/`
│   └─ about.md <<- path: `baseurl/about/`
├─ data
├─ layouts
├─ public
├─ static
└─ themes
```

inherited from **Hugo directory structure**

Deploy your website

- HTTP server: [Apache](#), [Ngnix](#)
- [Github.io](#)
- [Netlify](#)

Netlify

Set a different theme

- Other Theme options
- hugo-academic theme by John Little

```
blogdown::new_site(theme = "gcushen/hugo-academic")
```

Link with Netlify

- Create git repo
- Add and commit your finished website
- Push to either Github/BitBucket/Gitlab
- Link the repo/branch to the site created on Netlify

An ideal workflow for blogdown(big picture)

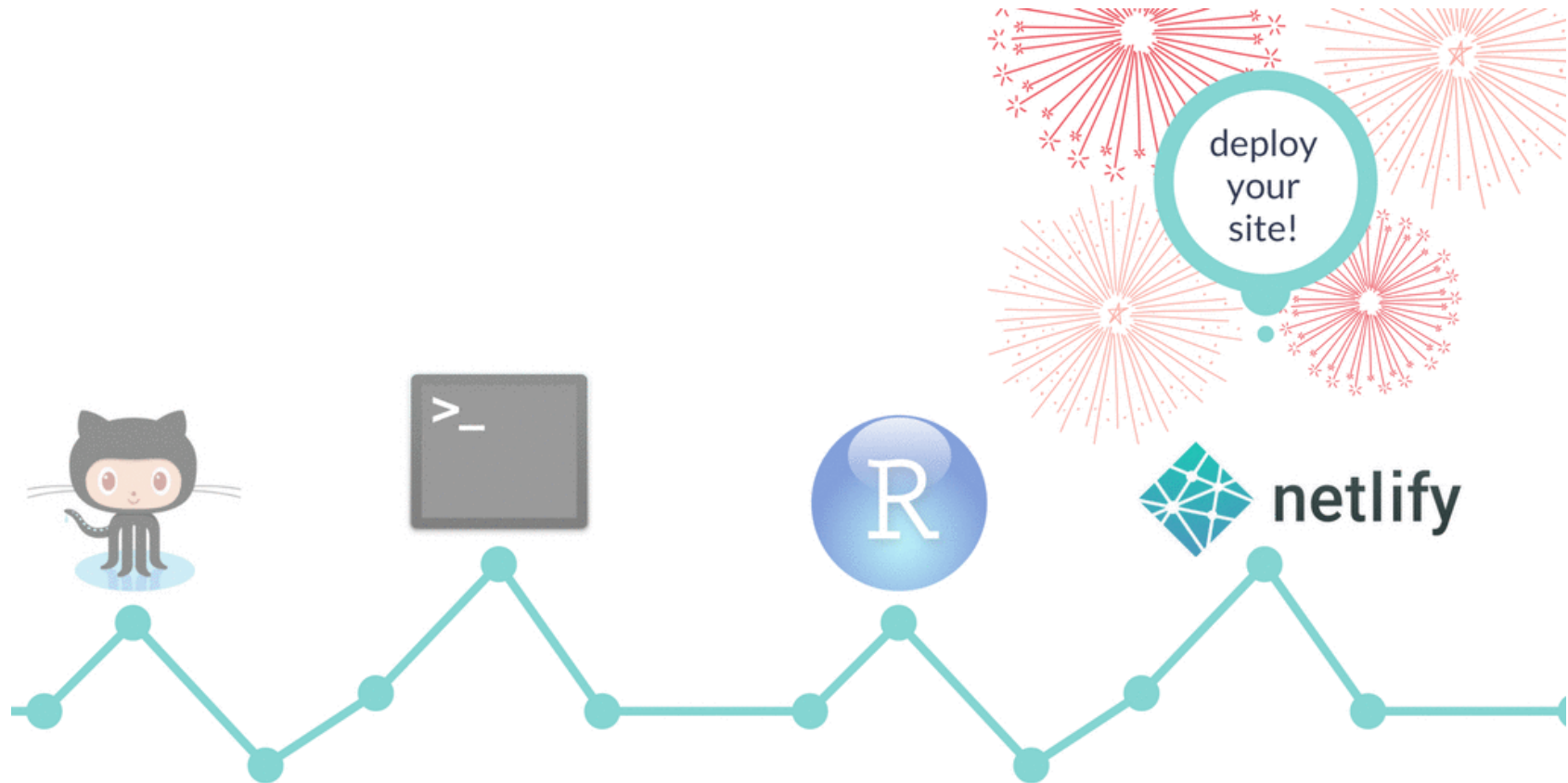


Image Credit [Alison Presmanes Hill](#)

Questions?

Want a sub-domain name
like **yourname.aarug.org?**

Thank you!