```
library(dplyr)

rladies_global %>%
  filter(city == 'Berlin')
```



# #x Hands-on Creating a blog with blogdown





## Helo! I am Christin:)

R is my daily adventure!

I am working as a Bioinformatics Scientist at Evotec, Toulouse (France).

You find me on Twitter: @ChristinZasada

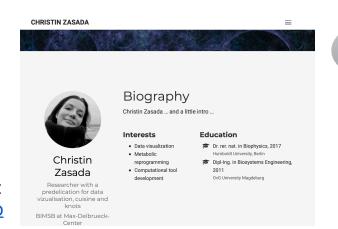
### Have a glimpse!

Personal profile: <a href="https://chriszasa.github.io">https://chriszasa.github.io</a>

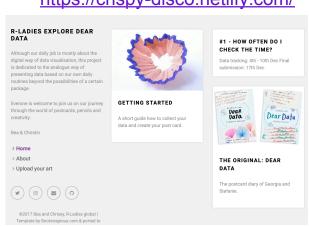


Travel blog:

https://mosaaferat2018.netlify.com/



#### My little side project: <a href="https://crispy-disco.netlify.com/">https://crispy-disco.netlify.com/</a>





#### Content of my presentation

- Why to start writing your own blog
- blogdown
- Templates: Huge & jekyll
- Publish your blog: Github & Netifly implementation
- Requiered preparations & tools
- Step-by-step tutorial

https://bit.ly/2Qq3HyS



#### My resources!

- Blogdown creating websites with R markdown
- Up and running
- Making a website using blogdown, Hugo, and Githubpages



Alison Presmanes Hill @apreshill



Claudia Vitolo @clavitolo

https://aurora-mareviv.github.io/talesofr/2018/02/r-blogdown-setup-in-github-2/



### Reasons why to start your own blog

- Improve your communications skills (explain complex topics in simple terms to wide audience).
- Allows you to showcase your skills and to get noticed!
- Create new contacts, network!
- Time saver easier for you to share your knowledge with others and yourself



#### Where to start ...

- Make a list of blog posts, articles you like, highlight and summarise what you like
- Create summaries of conference talks or trainings / classes
- Write continousely
- Don't worry about your level your particular background, style and knowledge level matters
- What would have helped you a week or a year ago

Claudia Vitolo (@vitolo) Rachel Thomson (@math\_rachel)



#### How to create your blog

#### Static site (old-fashioned)

- Collection of pages in basic HTML
- Possible to hand-write
- Limitations in site
   management and repeated
   elements

#### Wordpress

- Content management system (CMS)
- Theme collection
- Management easier, but costs of flexibility, server

#### Static site generators (SSG)

- Jekyll, Hugo
- Compromise between hardcoded and full CMS
- HTML-only website using raw data and templates
- Resulting build is transferred to a live server (e.g., Netlify)



#### Pro and Cons: Jekyll vs. Hugo

#### **Jekyll**

- Tons of great templates
- Easy GitHub interaction
- Rmarkdown is not supported

https://jekyllrb.com

#### Hugo

- Few nice free templates
- GitHub interaction is a bit tricky
- Rmarkdown is supported

https://gohugo.io



#### How to create blogs with bookdown

#### **Jekyll**

- Create a GitHub repo and clone it locally
- 2. Generate default blog, then apply theme (via R)
- 3. Make changes, commit and push to GitHub

#### Hugo

- 1. Search for a nice theme and test responsivenes
- 2. Fork the theme on Github and make GitHub pages
- 3. Clone the repo, make changes, commit and push to GitHub



#### Where to publish your blog

#### GitHub Pages

#### Pros:

- Familiar interface
- Easy to setup
- Supports Jekyll
- Supports custom domains

#### Cons:

- Public code
- No support for HTTPS
- Limited plug-in support

#### **Netlify**

#### Pros:

- Very single, single-button click
- Intuitive user interface, drag-ndrop
- Custom domains and DNS
- Supports HTTPS
- Pulling automatically updates from GitHub

#### Cons:

\* Relatively new



#### **Blogdown with HUGO & Netlify**

- Based on the workflow published by Alison Hill
- Procedure:
  - New repository GitHub
  - Clone your repository
  - Create a new project in RStudio
  - Build your site in Rstudio
    - Picking a theme
    - Update project options
    - Edit configurations
    - Posting
  - Deploy in Netlify

