Build framework of the website by hugo & blogdown

—

1. Introduction:

The main work of the website could be divide into two parts: the static website framework made by blogdown & hugo, the interactive shiny web apps for data input and result displaying.

This slides will focus on first few steps for the static website framework, and you could get a general knowledge about this by the links.

1. blogdown: R package   (https://github.com/rstudio/blogdown)
    which we used to write Rmarkdown files to design the details of the website.
    An open-source (GPL-3) R package to generate static websites based on R Markdown and Hugo.

2. Hugo: Where we choose a/some templates of website for convenient.
    Hugo (https://gohugo.io) is the static site generator on which blogdownis based.

3. R and Rstudio (https://www.rstudio.com/)
    Rstudio : an integrated development environment (IDE) for R

4. Github: (https://github.com/)
    where we push code for sharing and connecting with netlify
    GitHub is a code hosting platform for version control and collaboration.

5. Netlify: (https://www.netlify.com/) where we deploy our website.
    Netlify is a free tools to publish a website.

2. Tutorials:

Get a quick look of the overall workflow:

1. How to make a website with R blogdown, Hugo, and GitHub
2. **Getting Started With Blogdown**
3. Up and running with blogdown

More Details:

1. blogdown: Creating Websites with R Markdown (the main reference)
2. Study the Hugo-XMin Theme If You Wish to Customize A blogdown Website
   (a simple demo)
3. A clear flow and many details. But write in simplified Chinese.

Futher:

Search what you want about the customization by google/github, such as including image, Font, line spacing and so on.

3. Discussion

After a quick look for the above-links, we have got a clear overall understanding of the website building.

As we focus on the **HTSanalyzeR2 package**, it is recommended to read the vignette.

3.1 Main menu

Learned from the vignette and the David website, I first design the main menu for reference as follows:
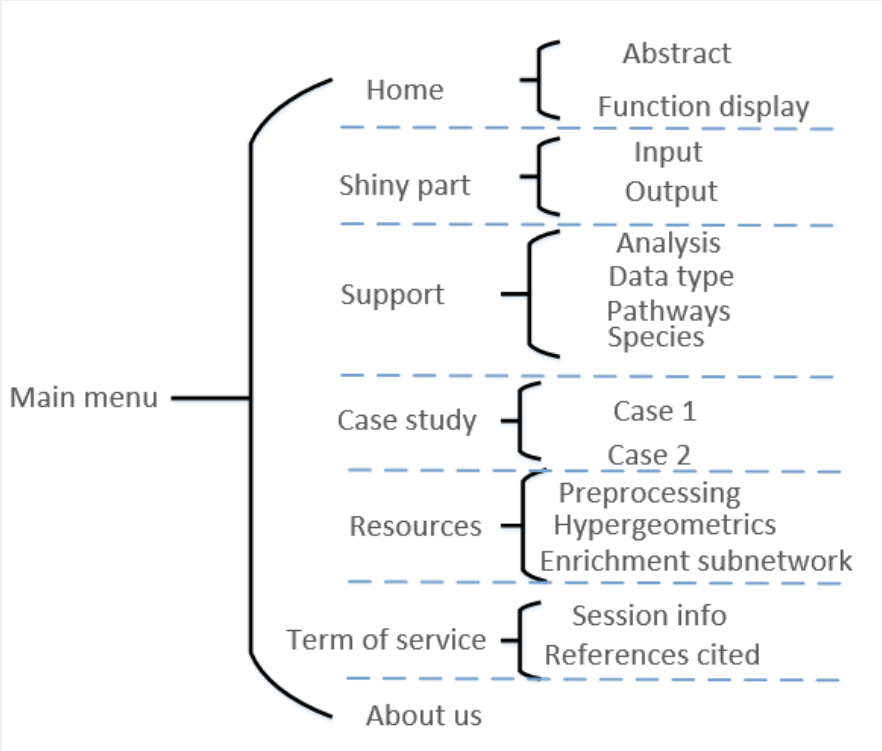
Pleased to hear your designs.

3.2 template

There are some templates (themes) of hugo in <u>links</u>，try to learn the design/framework from it, then just find one/few theme(s) and try to apply your idea/design to it.

We could discuss about the design and details later.

You could find the website of <u>our lab</u> and <u>cityu_bioinformatics</u> which two based on blogdown and hugo.

And the code of those website in my github named "<u>XinW_lab</u>", "<u>academic_web</u>" respectively.

I have chosen some themes to show my ideas for the HTSanalyzeR2 package briefly as following for your reference.

3.2.1 The <u>DocDock</u> theme

Homepage

Main menu

Replaced by our design
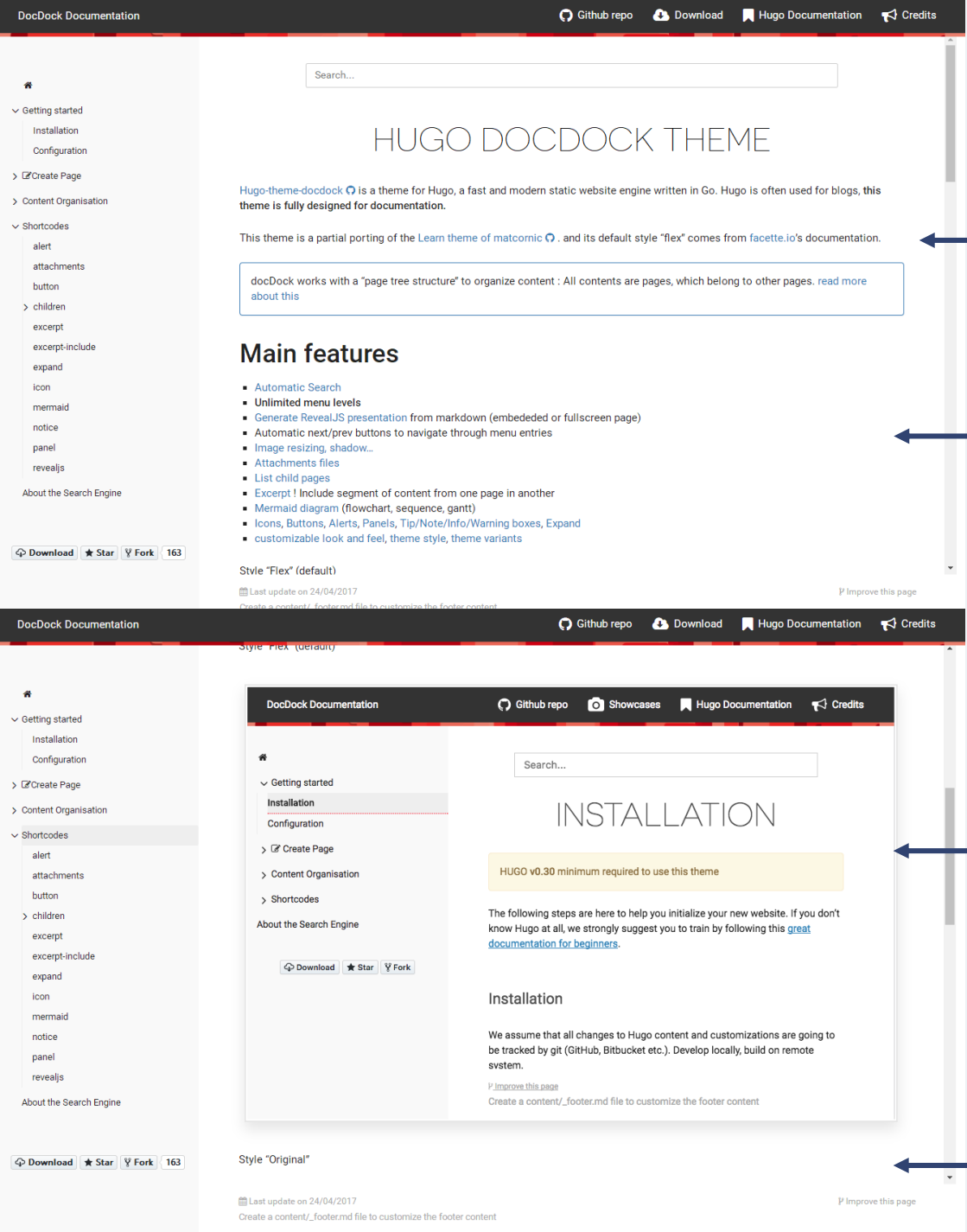
Abstract

Main analysis/functions

Put some figures for function presentation

Put some information of our package or contact

3.2.1 The <u>DocDock</u> theme

Child Page

Show the supported analysis/data/species

Using for introduction of the code of function

Or the installation steps

3.2.2

The Future Imperfect theme

Homepage

Main menu (Replaced by our design)

Abstract

Some information about the package or our group

Put some figures for function presentation

Replaced by the analysis/function childpages

Introduction about the analysis/functions

Replaced by the analysis/function categories

3.2.2 The <u>Future Imperfect</u> theme

Child page

HOME | ABOUT | BLOG | ITEMIZED | CATEGORIES | CONTACT

Main menu (Replaced by our design)

HUGO FUTURE IMPERFECT

ANOTHER FINE RESPONSIVE SITE TEMPLATE BY HTML5 UP. PORTED BY JULIO PESCADOR WITH SOME EXTRA GOODIES 🖐

Some information about the package or our group

FANCY APP 1
Application for doing cool things.
GEORGE JETSON
ANDROID

FANCY APP 2
Application for doing cool things.
GEORGE JETSON
GOLANG

FANCY APP 3
Application for doing cool things.
GEORGE JETSON
ANDROID

< PREVIOUS PAGE | NEXT PAGE >
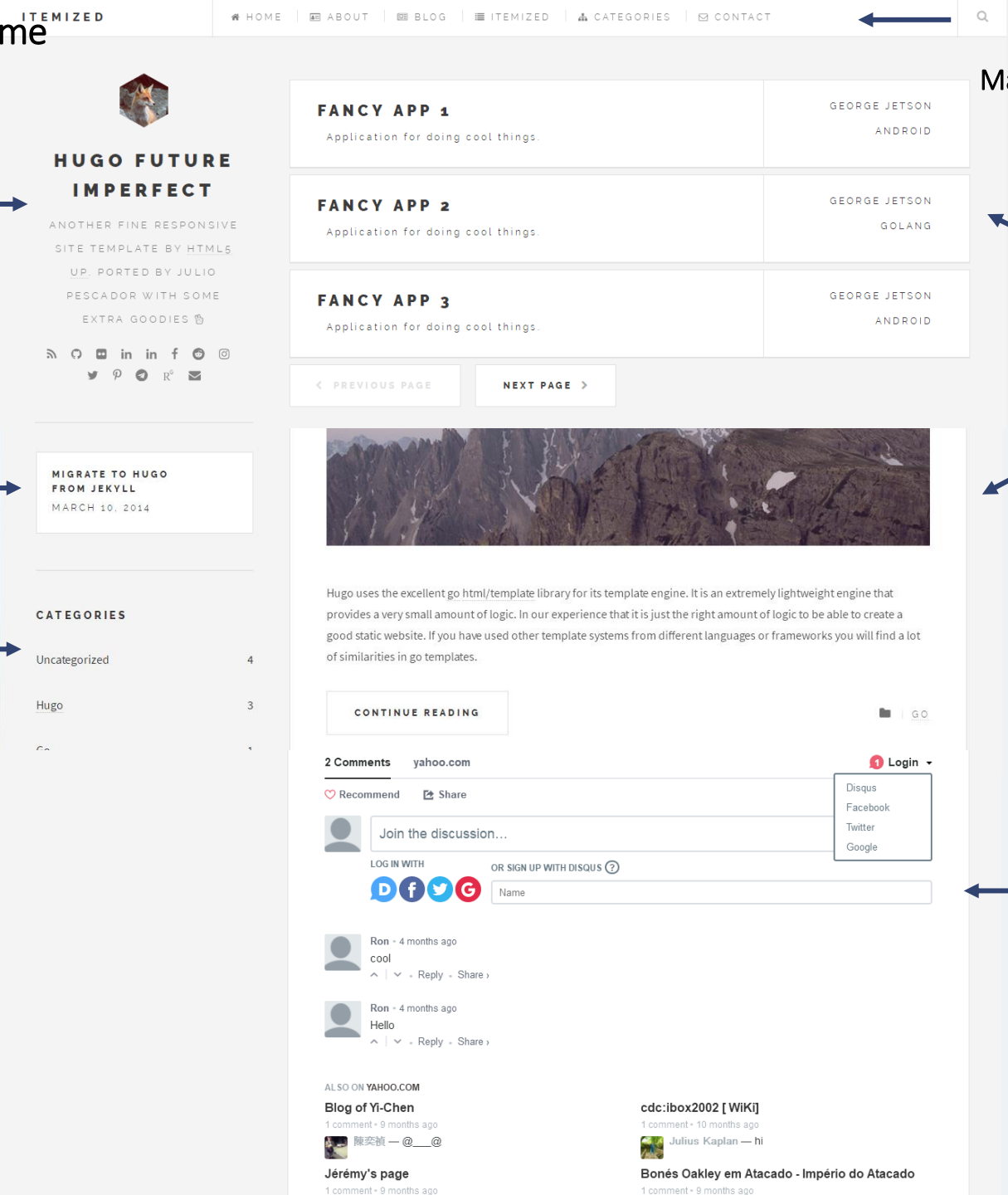
Two ways to show the details of case study/analysis/functions.

MIGRATE TO HUGO FROM JEKYLL
MARCH 10, 2014

Replaced by the analysis/function childpages

Hugo uses the excellent go html/template library for its template engine. It is an extremely lightweight engine that provides a very small amount of logic. In our experience that it is just the right amount of logic to be able to create a good static website. If you have used other template systems from different languages or frameworks you will find a lot of similarities in go templates.

CATEGORIES

Replaced by the analysis/function categories

Uncategorized   4

Hugo   3

Go   1

CONTINUE READING   📁 | GO

2 Comments   yahoo.com   1 Login ▾

♡ Recommend   ⤷ Share

Disqus
Facebook
Twitter
Google

Join the discussion...

LOG IN WITH   OR SIGN UP WITH DISQUS ?

Name

May add a comments system by DISQUS

Ron · 4 months ago
cool
⌃ ⌄ · Reply · Share ›

Ron · 4 months ago
Hello
⌃ ⌄ · Reply · Share ›

ALSO ON YAHOO.COM

Blog of Yi-Chen
1 comment · 9 months ago
陳奕禎 — @___@

cdc:ibox2002 [WiKi]
1 comment · 10 months ago
Julius Kaplan — hi

Jérémy's page
1 comment · 9 months ago

Bonés Oakley em Atacado - Império do Atacado
1 comment · 9 months ago