

# Workflow for Blog Savvy Surveys for Lawyers

in BlogSavSurv.Rmd Hornbooks/5Surveys/LFSurveys/Survey Projects  
Marketing/SurveyBlog/

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## How to create individual posts

Start RStudio; Open the SurveyBlog project and load packages; call `serve_site()` [Need to be in the right directory, Hornbooks/5Survey etc. I shut down R and started afresh and the right directory followed the project] A pop came up on 2/1/24 about Windows Firewall blocking. I clicked Yes

Click on New Post dropdown from Addins, which runs this: `blogdown::new_post_addin()`.

Name the post: Category Surveys (or maybe new line indented - Surveys) Tags delete Ignore Slug output: pdf\_document should I add this? With the radio button at the bottom keep Format: Markdown (I did .Rmd)

File/Rename [core idea, no spaces] and save the new .md. draft: replace “yes” with “no” – no quote marks

KEY delete the index file from SurveyBlog/content/post for the post to publish (use .Rmd with code)

Copy and paste in the text Add packages chunk at the top if there is R code Add data chunk to read in, for example, `ukrAll` Remove

Make changes on my laptop in the .md file Useful site <https://www.spanishdict.com/answers/152876/line-breaks-pictures-links-and-other-formatting-tricks-#Single>

insert at end of post

## Pushing posts to GitHub, which then sends them to Netlify and the blog

Connect to GH: click “Git” above Pane 3, and “Commit” button (check mark, CTRL-ALT-M)

Stage files listed on the left pane by checking, which is usually all of them to either add or delete [D]. Ctrl-A picks all and then click one

Fill in Comment of what has been done, or any random typing

[click on box under “Staged” in Git at top right], Commit to GH

Push to GH [still “branch is one commit ahead of main”]. “Stop”

Then click “Close”

Render is the hosting software. To make sure Render is working: Go to render.com and login. Manual Deploy in purple box to upper right – takes 15 seconds and should end with “==> Your site is live!”

Tracking hits is <https://savvysurveys.goatcounter.com/>

## How to put blog posts into the Guide

Open SavSurvGuideLean.Rmd file in 5Surveys/surveyBook when in project what?

insert colon at end of title

Put in R chunk (but it must be an RMD:

```
knitr::include_graphics("C:/Users/rees/Documents/R/Projects/LAWYER Hornbooks/5Surveys/SavSurvBlog/SurveyBlog/sta  
Screenshot Scripts Post.png")
```

If the image isn’t generated by R, fig.width and fig.height are redundant Use PNG for R graphics output, and high-resolution if you plan to print.

[three &nbsp;] indents a paragraph

turn hyperlinks in text into footnotes for PDF output, because readers will not be able to click the links (generated from `text`). See <https://bookdown.org/yihui/rmarkdown-cookbook/latex-preamble.html>

blogdown creates a file structure in XX/ that includes these folders:

content (where blog is) layouts (css and js) # <https://makewithhugo.com/minify-and-load-css-through-hugo/>  
R [haven’t used] resources [haven’t used] static (media) .pngs and other images

Check for bold of key terms, using ... Insert images with the Addins drop down Insert URLs as **underlined text** NB no space {width=50%, height=20%} didn’t work in .md files but does in .Rmd. Note that there is no space. Opened image in Paint and resized to 70. So I right clicked on the image and chose “Edit” and resized. With the Absinthe painting the original was about 650px by 850. I reduced it to 60% and saved, but no difference when I ran the post. No quotes on file path, no need for directories above BlogThemes1. Underline turns blue when I do correct syntax.

Run Check Spelling... in RStudio (under Edit menu)

Run `xfun::optipng()` on the directory where the post’s images are stored (including plots output by R) f

Run W3C Link Checker on the post preview to make sure all links are valid.

Check images have alt text. A web accessibility evaluation tool can help. [<https://www.w3.org/WAI/ER/t>

Save the .md file and check that the changes took (then commit to GitHub). You can immediately view changes with every save using LiveReload and your .html file is properly output. Changes are local. Viewer shows what a user sees on the site.

Save the URL of post on blog by right clicking title and “Copy link location”; save the long URL in this file  
Get the Bitly short form and add it after the full URL (on Bitly, click “Create” orange tab, then “Link”.  
Paste in long form and click “copy” to save short form; save below long form)

`blogdown::check_site()` will run all `check_*`() functions at once.

`config.toml` has many options, such as changing the name of the site!

# Creating a blog with Hugo, blogdown, Netlify

## changes to the blog site

Hugo builds the website pages out of blocks of code. If you are using a straightforward theme like I am then the file at: `/hugo_root/themes/theme/layouts/_default/single.html`

is the file that builds the pages. This does not contain most of the HTML that will end up in the final page, rather, it contains calls to other files that contain the needed HTML. Notably, the `header.html` and `footer.html` files.

If we want to add some custom HTML into the page header then we will need to add it to the `header.html` or include a call to another file that does contain the HTML. We will do that latter as it will be much easier to keep everything neat if we put the Google Analytics code in its own file.

useful: `rstudioapi::navigateToFile("config.yaml")` or pick any file

Under `/Themes/BlogThemes` found `config.yaml` and changed a number of features, including title, author, some page names

`/BlogThemes/themes/hugo-tanka` (changed in early April 2021 to `hugo-texify`)

much useful: <https://alison.rbind.io/post/2019-02-19-hugo-archetypes/> also [http://bioinfohippo.rbind.io/tutorials/r\\_tutorials/2020\\_05\\_20\\_0847-r\\_blogdown\\_usefulstuff/](http://bioinfohippo.rbind.io/tutorials/r_tutorials/2020_05_20_0847-r_blogdown_usefulstuff/) [http://bioinfohippo.rbind.io/tutorials/r\\_tutorials/2020\\_05\\_20\\_0847-r\\_blogdown\\_tutorial/](http://bioinfohippo.rbind.io/tutorials/r_tutorials/2020_05_20_0847-r_blogdown_tutorial/) <http://estebanmoro.org/post/2019-02-02-setting-up-your-blog-with-rstudio-and-blogdown-i-creating-the-blog/>

<https://www.r-bloggers.com/2019/01/how-i-started-a-blog-based-on-blogdown-a-walkthrough/>

look in Themes by using Files in Pane 4, and find config. One is `params.toml`

When Hugo builds the blog, the final html files and structure go into the public folder. This is the static version of the blog and the one we will deploy to our domain.

## Learn about HUGO

<https://ropensci.org/blog/2019/01/09/hugo/>

**Blog color scheme colorBrewer palette Dark2**[https://www.w3schools.com/css/tryit.asp?filename=trycss3\\_flexbox\\_content\\_space-around](https://www.w3schools.com/css/tryit.asp?filename=trycss3_flexbox_content_space-around) **Try out your code**

`.customBlogTitle` in `index.css` `h1` and `header.html` `navbarLink` in `common.css` `h2` and `header.html` and `header.html`, I changed to "center" `.customPostTitle` in `index.css` `h3` subthemes in `common.css` `h4`

add extra line To add an extra line of space between paragraphs, add the HTML code, followed by two extra spaces (e.g. `&nbsp;`., replacing the periods with spaces).

I used this: <https://colorbrewer2.org/#type=qualitative&scheme=Dark2&n=3>

27,158,119 dark green for Blog Title

217,95,2 orangy-red for tabs () 117,112,179 purplish for blog titles

subthemes link

## Blog text font size, color and css cascading style sheets

Note: If you do not specify a font size, the default size for normal text, like paragraphs, is 16px (16px=1em).

BlogTitle Navbar PostTitle

## Tabs at top of blog (Navbar): Services

about.md to modify the About tab.

services.md for my selling pitch

## Sidebar to list related blogs

<https://discourse.gohugo.io/t/how-would-i-create-a-sidebar-with-page-specific-related-links/9037/4>

### create a form

I used Formspree to make a contact form, which is an online service (managed on GitHub) that allows you to add an HTML form to your static site. No registration, just use the form and confirm your email address once. I added the following code into my contact widget: <https://alison.rbind.io/post/2017-06-12-up-and-running-with-blogdown/>

### Create box for icons

config.toml has in it the elements below the blog title, such as About, Art, Themes, and Subthemes. They have weights that determine their order.

I created an Icon element to practice boxes and made it weight 5

In BlogThemes1/content I created icon.Rmd

## domain names of savvysurveysjd.com is with namecheap; expires May 21, 2024

### One-time steps for GH, Netlify etc.

Later, created GH repository SurveyBlog. Linked it to Render [Your service is always available at <https://surveyjds.onrender.com>]. But in GH, /content/post shows posts in reverse chrono order

<https://alison.rbind.io/post/new-year-new-blogdown/> [Has three other posts and is excellent!] She wrote the following before: <https://alison.rbind.io/post/2020-12-27-blogdown-checks/>

I am strongly in favour of never using .Rmd in a blogdown site because its output is an html file, not a

use .md so Hugo converts to html, but need to edit profile <https://drmowinckels.io/blog/2020-05-25-char>

Third post Alison cites is too complicated <https://clauswilke.com/blog/2020/09/08/a-blogdown-post-for-tl>

### Google Analytics

<https://statsandr.com/blog/track-blog-performance-in-r/> Antoine!

What R package handles Google analytics data? This one lists several others! do a comparison? <https://code.markedmondson.me/googleAnalyticsR/>

Account Id 188088269 (which is different from the User Authorization code)

Google Analytics Export Data and Analyze

**analyze Bitly data with r**

## **EMAIL notices emayili**

<https://mvaugoyeau.netlify.app/post/presentation-off-women-international-day/#sending-the-support-with-the-package-sendmailr>

<https://bensstats.wordpress.com/2020/07/23/robervations-2-mail-merging-email-blasting-with-r/> with emayili

A web browser uses HTTP (Hypertext Transfer Protocol) to communicate with a web server. Similarly, an email client (like Outlook or Thunderbird) uses SMTP (Simple Mail Transfer Protocol) as the communication protocol to send emails.

### **Sending Message**

You can also send an email message directly from a `mime` object using `gm_send_message()`.

```
gm_auth_configure() gm_send_message(text_msg)
```

### **Six Ways to plot binary**

Adherents of fanplots maintain that they are a better alternative to pie charts. They represent amounts of values. The traditional pie plot is difficult for most people to interpret, because humans are not trained well to observe and interpret angles. This fan plot was generated by the `plotrix` package and its `fan.plot` function.