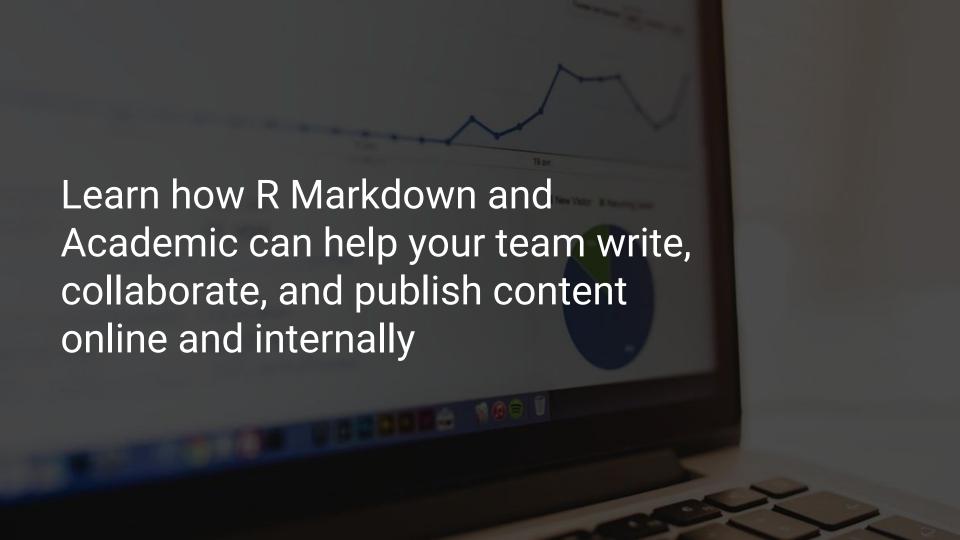
R Markdown project websites your users will love!

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September 2018







The problem

- (R) Markdown is simple, portable, reproducible syntax for writing documents R Markdown usually involves Knitting a single document into single output file How can we use (R) Markdown to create a beautiful project website? E.g.,
 - A landing page and documentation site for your package
 - An internal knowledge sharing platform
 - A website for your lab/team



Write site in (R) Markdown

Create almost anything!

Landing Page

Knowledge Sharing

Team Intranet Site

> 1.5k stars on GitHub!



Solution

Your (R) Markdown content

Project Kickstart-R (R template for Academic)

Academic (Website framework)

Blogdown (R Wrapper for Hugo)

Hugo (Markdown -> HTML Website)

Netlify, GitHub Pages, AWS S3, intranet, etc.

Get Started in 5 Steps



- RStudio > New Project
- install.packages("blogdown")
- install.packages("hugo")
- blogdown::new_site(theme = "gcushen/hugo-academic", sample = FALSE, theme_example = FALSE)
- Download Project Kickstart-R (the project site template for Academic): https://github.com/sourcethemes/project-kickstart-r
- Paste Project Kickstart-R files into your project, overwriting existing ones

Landing Page

Introduce your project

Convert visitors to download your package

Highly customisable

- Themes
- Widgets
- Language packs

PROJECT KICKSTART-R Home Documentation GitHub ☑'

Academic







Highly Flexible

Easily manage many different types of content including the homepage, blog posts, publications, talks, projects, and custom pages. Academic even has multilingual support.



Markdown, Code, and Math Support

Write in Markdown (or RMarkdown) with support for code highlighting and LaTeX math formatting. You can even use our time-saving shortcodes



Themes and Plugins

Academic has a powerful theme and plugin system. Themes let you modify Academic's colors to suit your preferences. Then choose the widgets you want and place them where you

Features

Contact



test@example.org



Discus

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Documentation

Write (R) Markdown

Write math

Display code snippets

PROJECT KICKSTART-R

Home Documentation GitHub

Search...

Overview

Example Topic

Example Page

Overview

This feature can be used for publishing content such as:

- Project or software documentation
- Online courses
- Tutorials

The parent folder may be renamed, for example, to docs for project documentation or course for creating an online course.

To disable this feature, either delete the parent folder, or set draft = true in the front matter of all its pages.

After renaming or deleting the parent folder, you may wish to update any [[menu.main]] menu links to it in the config.toml.

Last updated on Sep 9, 2018

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Search

Powerful inbuilt search

Empower your visitors to easily discover content

PROJECT KICKSTART-R

Home Documentation GitHub

example

Overview

Example Topic

Example Page

Search Results

Example Page

In this tutorial, I'll share my top 10 tips for getting started with Academic: Tip 1 ... Tip 2 ...

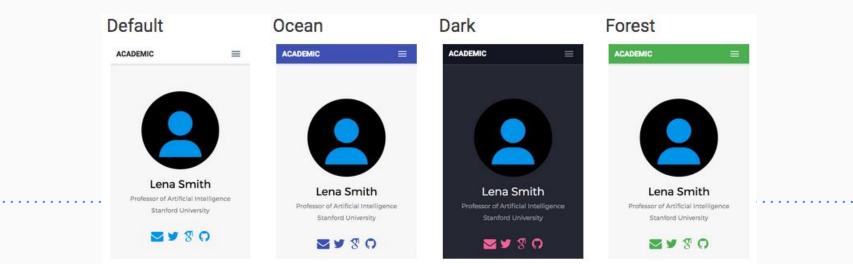
© 2018 · Powered by the Academic theme for Hugo.

Directory Structure

- Config.toml: the configuration, using simple TOML syntax
- content/
 - o home/: homepage widgets
 - docs/: knowledge sharing platform
- themes/academic/: Academic is the website framework
- static/: add images and files that will be copied to public/
- public/: the generated website that can be uploaded to any web server (Netlify, Github pages, Amazon S3, ...)

Customisations

- Edit options in config.toml
- See documentation at https://sourcethemes.com



Deployment

- Netlify (<u>https://app.netlify.com</u>)
 - Supports static websites generated by Academic and Hugo
 - Free hosting
 - Free *.netlify.com subdomain
 - Add your own custom domain name
 - Secure HTTPS
- Many other options
 - GitHub Pages, AWS S3, your organisation's intranet

Why not WordPress etc.?

Medium, Wix, WordPress

- No R Markdown support
- Generally poor support for math

WordPress (and other dynamic CMS)

- History of vulnerability to hacking attacks
- Requires maintenance and patching bugs
- Expensive hosting or free with adverts

Project Kickstart-R & Academic

- Simple flat-file system
- No databases or code to maintain
- Free hosting without adverts
- More secure
- Significantly faster loading than dynamic sites
- Works everywhere: online and offline

Read more at

https://georgecushen.com/create-your-website-with-hugo/

Bonus: Personal Sites

Bring your CV to life

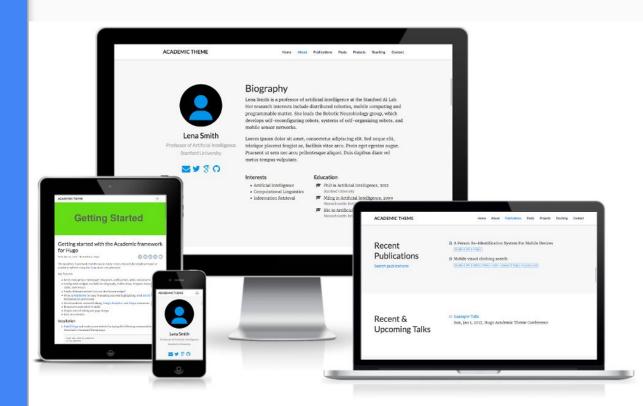
Add blog posts

Add talks

Add publications

Add personal projects

Mobile friendly



Summary

Your (R) Markdown content

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Academic (Website framework)

Blogdown (R Wrapper for Hugo)

Hugo (Markdown -> HTML Website)

Netlify, GitHub Pages, AWS S3, intranet, etc.



Thanks!

George Cushen

@GeorgeCushen

Get Started:

https://github.com/sourcethemes/proj
ect-kickstart-r

Documentation:

https://sourcethemes.com/academic/

Slides:

https://cushen.me > Talks > EARL 2018