

HW3: Group Project GitHub + Bookdown Setup

Coded in COBOL

2022-07-25

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Chapter 1

Table of Contents

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3. About Us

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Chapter 2

Introduction

We are Coded in Cobol. Our proposal is to create a detailed e-guide for newly admitted MBAn students. This guide can help students get familiar with the campus environment and make full use of the resources around them effectively.

In class yesterday we talked with you about the fact that multiple groups are pursuing a similar idea. We plan to meet with these groups after submitting the proposal to split the tasks into three parts and then combine our three websites into one big website. Some specifics on the things we want to cover are:

2.1 What We Plan to Cover

- Dining plan/meal prep tips
- Best local restaurants and bars
- Fun things to do
- Technology tips
- Most Instagrammable Spots In Michigan
- Transportation Tips
- Study Spots
- Sports

Chapter 3

Cross-references

Cross-references make it easier for your readers to find and link to elements in your book.

3.1 Chapters and sub-chapters

There are two steps to cross-reference any heading:

1. Label the heading: `# Hello world {#nice-label}`.
 - Leave the label off if you like the automated heading generated based on your heading title: for example, `# Hello world = # Hello world {#hello-world}`.
 - To label an un-numbered heading, use: `# Hello world {-#nice-label}` or `{# Hello world .unnumbered}`.
2. Next, reference the labeled heading anywhere in the text using `\@ref(nice-label)`; for example, please see Chapter 3.
 - If you prefer text as the link instead of a numbered reference use: any text you want can go here.

3.2 Captioned figures and tables

Figures and tables *with captions* can also be cross-referenced from elsewhere in your book using `\@ref(fig:chunk-label)` and `\@ref(tab:chunk-label)`, respectively.

See Figure 3.1.

```
par(mar = c(4, 4, .1, .1))
plot(pressure, type = 'b', pch = 19)
```

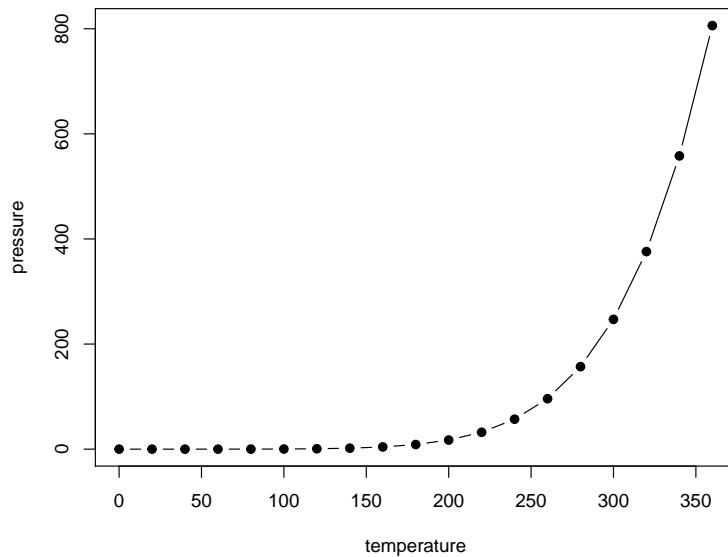


Figure 3.1: Here is a nice figure!

Don't miss Table 3.1.

```
knitr::kable(
  head(pressure, 10), caption = 'Here is a nice table!',
  booktabs = TRUE
)
```

Table 3.1: Here is a nice table!

temperature	pressure
0	0.0002
20	0.0012
40	0.0060
60	0.0300
80	0.0900
100	0.2700
120	0.7500
140	1.8500
160	4.2000
180	8.8000

Chapter 4

About Us

In this section you can get to know more about the members of Coded in COBOL.

4.1 Yuchen Gao

Hello! My name is Yuchen Gao. I'm currently a master student pursuing a MBAn degree from the Ross School of Business at the University of Michigan. I have an undergraduate degree in Information Science from the School of Information at the University of Michigan.

I am passionate about transforming data into impactful business solutions and would hope to work in the analytics field after getting my master's degree.



My favorite quote > “All models are wrong, but some are useful”
> George E.P. Box

Interests and Hobbies - I spent the first 18 years of my life in Shanghai, but I also lived in Boston for two years before coming to Ann Arbor, MI. - In my free time I like to play tennis. I'm currently trying to improve my backhand and serving. - I'm a big fan of electronic music. My most favorite genres are techno house, future house, future bass. - My favorite novel is Neuromancer by William Gibson. - I'm a coffee enthusiast. My favorite kind of coffee bean is Panama Geisha. If you happen to go to any coffee shop that is offering Geisha I highly recommend you to try it.

More about Me... You can find more information about my professional experiences on LinkedIn and check out my past coding projects on Github.

4.2 Nikita Mamidi

I'm Nikita Mamidi

**A little bit about me:**

I graduated from the University of Illinois at Urbana Champaign with a BS in Econometrics and Quantitative Economics. I look back fondly on my undergrad days where I was an Ambassador for the amazing Economics department, the Head Teaching Assistant for a Business Statistics Course and a Senior Associate at Illinois Business Consulting. **GO ILLINI!**

In today's world organizations are coming up with so many fascinating data and tech driven solutions to previously insurmountable problems. I want to be part of such a force that impacts the world positively. To achieve those high-level data science skills, I recently started my Masters of Business Analytics at the Ross School of Business!



Recent Work Experience:

MSN Pharmaceuticals :- Sales and Marketing Executive

- Responsible for the South Korean, Japanese, Indonesian, Thailand and Taiwanese markets

- Determined potential partnerships in East Asia, established contacts & built relationships with key decision makers
 - Collaborated with technical teams to ensure production and distribution of high-quality samples and final API
 - Achieved the **\$3 million per month** revenue target for the past 2 quarters
-

Fun Facts:

- I love to travel. Been to 20 countries. Next Destination - Mexico
- Stock market trading is everything! I'm a day trader tho, I know I'm awful
- Certified online shopaholic. But I also return the goods with equal speed
- I love watching (and dreaming of playing) in the NBA
- I enjoy snorkeling and scuba diving
- I'm terrified of all animals. Yes, including cute puppies and kittens

That's enough about me . Please reach out so I can learn more about You!

Linkedin

Contact - 217-898-6828

4.3 Ben Newman

Team: Coded in COBOL

Bio: Hi, I'm Ben. I was raised in Midland, MI. It's in the middle-right part of the mitten. In high school, I was on the swim team (see below) and did cross country. I also attended University of Michigan from which I graduated last year (see below). Some things that bring joy to my life are friends, family, my pets (see below), skiing, fishing, and going to Michigan Football Games!!

My Education

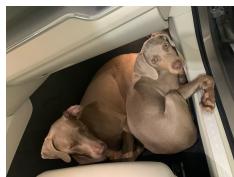
- Saint Brigid Catholic School (Midland, MI USA)
- Herbert Henry Dow High School (Midland, MI USA)
- University of Michigan Ann Arbor (Ann Arbor, MI USA)
 - B.S. Statistics
- University of Michigan Ann Arbor (Ann Arbor, MI USA)
 - Masters in Business Analytics

My favorite foods.

1. Pizza
2. Orange Chicken
3. Burgers



A picture of me (left) in my more fit days on the swim team (circa 2017).



A picture of my dogs Pearl (left) and Blue (right). They are Weimaraners.



This is me at the University of Michigan Commencement with my family in April, 2022.

4.4 Peiyue Sun

This is Peiyue Sun.

- I love Michigan Wolverines!
- I love Wisconsin Badgers!

Education:

- Wisconsin School of Business 2016 -> 2019 Risk Management & Insurance (BBA)
- Ross School of Business 2022 -> 2023 Business Analytics (MBAn)

Technology used:

- R
- Python
- Excel

Work Experience:

- 2 years at Willis Towers Watson risk consulting sector
 - Insurance-linked securities valuation
 - Financial Reserving for global insurance enterprises

Goal at MBAN:

- Unlock my potential in business analytics and project management

Hobbies:

- Snooker, Basketball, Texas Hold'em, Swimming, Running, Biking, and Trap music festivals



4.5 Winnifer Chen

Winnifer Chen

Email: winnifer@umich.edu

Phone: (980) 298-7184

LinkedIn: <https://www.linkedin.com/in/winnifer/>

Educational Background I recently graduated with a Bachelor of Science in Economics with a minor in Statistics from the University of Michigan in April 2022. Currently, I am pursuing a Master of Business Analytics at the University of Michigan - Stephen M. Ross School of Business, with an expected graduation date of April 2023.

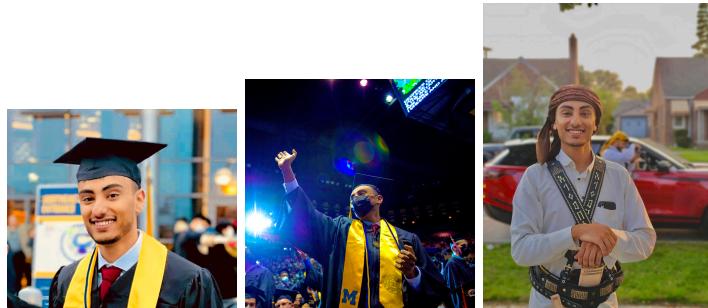


Fun Facts! - I am from Ann Arbor, MI, but throughout my life, I have also lived in Charlotte, NC and Taipei, Taiwan. - I come from a family of Wolverines! Both of my parents also attended graduate school at Michigan, and my younger sister is starting her freshman year this fall. GO BLUE! - In my free time, I love to spend time outdoors, whether that is hiking, camping, or taking pictures of scenery. Check out some of the pictures I took: <https://vsco.co/winniferchen/gallery> - I really enjoy rewatching music videos and performances by my favorite kpop groups. One of my dreams is to go to a kpop concert one day and sit in the very front section. - Immersing myself in the world of kdramas is another way for me to wind down and relax after a long day. - Something that I want to do more this year is trying new recipes and cooking more.



4.6 Jalal Mawri

Current Master of Business Analytics student at the Ross School of Business



Background

I was born and raised in Yemen, the old city of Sana'a, and I left the country in 2013 with my family and immigrated to the United States. I grew up playing Football, a.k.a soccer, and my favorite team was and still is Manchester United.

Education

- I graduated from the University of Michigan with High Honors in Biology and International Studies.
- During my first two years as an undergraduate student I had the opportunity to work on a research project at the Medical School where we researched preventive medical treatments for strokes.
- During my senior year I wrote my thesis on the current civil war in Yemen, and I researched the Islamic Movement of Ansar Allah which is currently leading the political scene in Yemen and the Arabian Peninsula.

Professional Experience

- After graduating I interned for the Muslim Public Affairs Council, and worked on a project that persuaded the Biden Administration to enforce the reopening of Sana's Airport and push for a peace resolution between the parties involved in the war.
- After my internship, I started to work as a Data Analyst for Amazon.
- My plan after I graduate from Ross is to go back to Amazon and work as Business Intelligence Engineer.

Publications

Mawri, Jalal. "Ansar Allah in Yemen: History and Ideology." Deep Blue Repositories, 1 Aug. 2021, <https://deepblue.lib.umich.edu/handle/2027.42/169403>.

Venugopal J, Wang J, Mawri J, Guo C, Eitzman D. Interleukin-1 receptor inhibition reduces stroke size in a murine model of sickle cell disease. *Haematologica*. 2021 Sep 1;106(9):2469-2477. doi: 10.3324/haematol.2020.252395. PMID: 32817286; PMCID: PMC8409048.

Chapter 5

Footnotes and citations

5.1 Footnotes

Footnotes are put inside the square brackets after a caret ^[] . Like this one ¹.

5.2 Citations

Reference items in your bibliography file(s) using @key.

For example, we are using the **bookdown** package [Xie, 2022] (check out the last code chunk in index.Rmd to see how this citation key was added) in this sample book, which was built on top of R Markdown and **knitr** [Xie, 2015] (this citation was added manually in an external file book.bib). Note that the **.bib** files need to be listed in the index.Rmd with the YAML **bibliography** key.

The RStudio Visual Markdown Editor can also make it easier to insert citations:
<https://rstudio.github.io/visual-markdown-editing/#/citations>

¹This is a footnote.

Chapter 6

Blocks

6.1 Equations

Here is an equation.

$$f(k) = \binom{n}{k} p^k (1-p)^{n-k} \quad (6.1)$$

You may refer to using `\@ref(eq:binom)`, like see Equation (6.1).

6.2 Theorems and proofs

Labeled theorems can be referenced in text using `\@ref(thm:tri)`, for example, check out this smart theorem 6.1.

Theorem 6.1. *For a right triangle, if c denotes the length of the hypotenuse and a and b denote the lengths of the **other** two sides, we have*

$$a^2 + b^2 = c^2$$

Read more here <https://bookdown.org/yihui/bookdown/markdown-extensions-by-bookdown.html>.

6.3 Callout blocks

The R Markdown Cookbook provides more help on how to use custom blocks to design your own callouts: <https://bookdown.org/yihui/rmarkdown-cookbook/custom-blocks.html>

Chapter 7

Sharing your book

7.1 Publishing

HTML books can be published online, see: <https://bookdown.org/yihui/bookdown/publishing.html>

7.2 404 pages

By default, users will be directed to a 404 page if they try to access a webpage that cannot be found. If you'd like to customize your 404 page instead of using the default, you may add either a `_404.Rmd` or `_404.md` file to your project root and use code and/or Markdown syntax.

7.3 Metadata for sharing

Bookdown HTML books will provide HTML metadata for social sharing on platforms like Twitter, Facebook, and LinkedIn, using information you provide in the `index.Rmd` YAML. To setup, set the `url` for your book and the path to your `cover-image` file. Your book's `title` and `description` are also used.

This `gitbook` uses the same social sharing data across all chapters in your book—all links shared will look the same.

Specify your book's source repository on GitHub using the `edit` key under the configuration options in the `_output.yml` file, which allows users to suggest an edit by linking to a chapter's source file.

Read more about the features of this output format here:

<https://pkgs.rstudio.com/bookdown/reference/gitbook.html>

Or use:

```
?bookdown::gitbook
```

Bibliography

Yihui Xie. *Dynamic Documents with R and knitr*. Chapman and Hall/CRC, Boca Raton, Florida, 2nd edition, 2015. URL <http://yihui.org/knitr/>. ISBN 978-1498716963.

Yihui Xie. *bookdown: Authoring Books and Technical Documents with R Markdown*, 2022. URL <https://CRAN.R-project.org/package=bookdown>. R package version 0.27.