MASTER MARINER

Good day!

Captain on the bridge! You can run your own ship when it comes to R. None-the-less, we've curated some self-study resources that may be of interest to you.

These resources are divided into three sections:

Mandatory Sea Time: The Essentials

These resources contain information that is essential to getting started with R. For instance, if you don't know how to install packages or import data you won't get very far at all. These are items that are foundational to the self-study materials captured in the next section. Please review the description of each learning item to see if it covers information that is new to you, or information where you could use a refresher.

Swab The Decks: Foundational Concepts

These resources are required learning for this self study module. These items contain information that is foundational, along with practice, to becoming proficient in R. Please review the description of each learning item to see if it covers information that is new to you, or information where you could use a refresher.

There Be Treasure: Going Further

These are optional resources to help your further your R knowledge based on your own interest level. These items are foundational to becoming an absolute swashbuckler in R!

🗺️ Swab The Decks: Foundational Concepts

R Markdown

Duration: **7 minutes**

This YouTube video provides a demo of R Markdown:
https://www.youtube.com/watch?v=DNS7i2m4sB0

Common R Errors

This webpage reviews some errors that are commonly encountered when working with R. Some of the content of this page may be inaccessible to novice or beginner R users. If that is the case we recommend (1) a high level review of the webpage, and (2) filing the webpage away for later use as a resource in your R learning journey when these errors are encountered:
https://www.programmingr.com/r-error-messages/

🧰 There Be Treasure: Going Further

- The Epidemiologist R Handbook: https://epirhandbook.com/

- R for Data Science: https://r4ds.had.co.nz/

- R Cheat Sheets: https://rstudio.com/resources/cheatsheets/

- YaRrr! The pirate's guide to R: https://bookdown.org/ndphillips/YaRrr/

- R Shiny Tutorials: https://shiny.rstudio.com/tutorial/

- Comprehensive R Archive Network: https://cran.r-project.org/

- REpidemics Consortium: https://www.repidemicsconsortium.org/projects/

- R4Epis: https://r4epis.netlify.app/

- PHAC R user group (note that this is available to PHAC employees only at this time and you will need to create an account or login with an existing account): https://message.gccollab.ca/channel/phac-r-user

- PopDataBC – Intro to R Studio for SAS Users: https://www.popdata.bc.ca/etu/online_courses/STAN104

- PopDataBC - Data Management and Cleaning for Analysis with R: https://www.popdata.bc.ca/etu/online_courses/STAN106

- A comprehensive introduction to handling date and time in R: https://blog.rsquaredacademy.com/handling-date-and-time-in-r/

- Regular tips, tricks, and demonstrations of new packages: https://www.r-bloggers.com/

- Stack overflow: https://stackoverflow.com/

- Coursera - Introduction to Statistics and Data Analysis in R: https://www.coursera.org/specializations/statistical-analysis-r-public-health?recoOrder=1&utm_medium=email&utm_source=recommendations&utm_campaign=btfwMl53EeuiLbV1NbTVAw

(Note: if experiencing issues accessing a link by clicking on it, please try to troubleshoot via copy-paste into your browser.)