GETTING UP TO SPEED WITH R

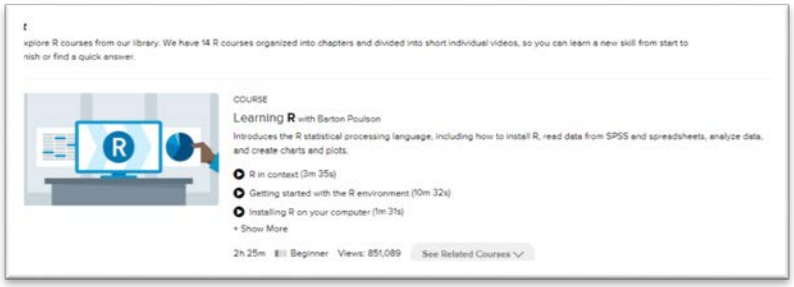
BEGINNERS

R is a programming language and platform for statistical computing and graphics. It is one of the most popular languages for data scientists, and is used extensively in QAC courses.

If you are new to R and would like to develop your skills, we recommend starting by reading *A (very) short introduction to R* by Tors & Brauer.

Next, work through the an introductory online video course on R. Two free options are

Lynda.com – Learning R with Baron Poulson



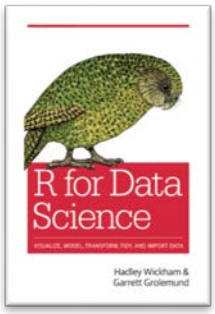
and *DataCamp – Introduction to R with Jonathan Cornelissen*

INTERMEDIATE USERS

Once you have the basic skills, you can expand your background with additional training using free online books.

A good place to start is

R programming for Data Science by Roger Peng or *Data Science with R* by Wickham & Grolemund.



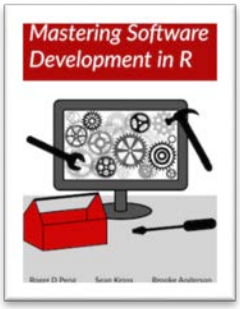
Practical applications are described in *Exploratory Data Analysis with R*, by Roger Peng.

You might also want to complete the Lynda.com online video course on *Data Wrangling in R* with Mike Chappie.

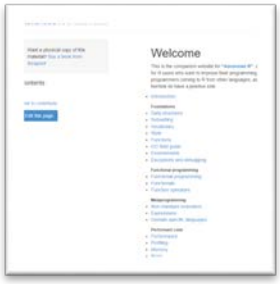
ADVANCED USERS

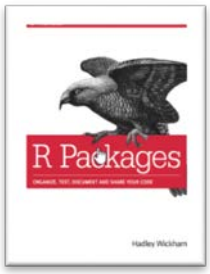
If you are an experienced R user, there are still some great resources for expanding your expertise.

Mastering Software Development in R by Peng, Kross, and Anderson is a good place to start.

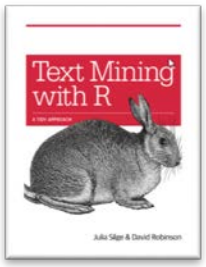


Other free resources are *Advanced R* and R Packages by Hadley Wickham

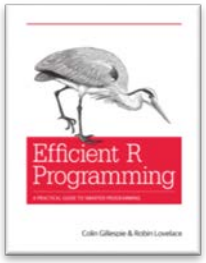




Finally, specialized topics include *Text Mining with R* by Silge and Robinson



and *Efficient R programming* by Gillespie and Lovelace.



OTHER SOURCES OF HELP

There are too many online R resources to catalogue here. Some additional sites that you may find useful are

- *Quick –R*
- *Cookbook for R - Graphs*
- *R - Bloggers*
- *How to find a package*

If all else fails, there is a wealth of *contributed documentation* on the Comprehensive R Archive Network!