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## Is R right for you? If yes...

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## Pei-Pei Lei on Is R right for you? If yes...

Greetings AEA community, I'm Pei-Pei Lei, a biostatistician in the [Office of Survey Research](#) at the University of Massachusetts Medical School. Have you been looking to expand your skill set in statistical programming? Have you wondered if [R](#) is the appropriate statistical software package for your needs? The purpose of this post is to help you decide whether R is right for you and, if so, how you can get started using it.

R may be the right tool if you:

- Need to manage and/or analyze quantitative data
- Are looking for a free alternative to commercial software packages, such as SAS, SPSS, and STATA
- Don't mind writing computer code – does *print ("Hello, world!")* look easy enough to you?
- Want to create nice-looking and informative figures and graphics (see [this website](#) for example)

If you're not sure, here are some places for you to get a feel for R language:

[TryR](#): *This website provides online interactive step-by-step practice on the webpage*

[DataCamp](#): *This website provides online interactive step-by-step practice (more material than TryR)*

### Hot tips:

The following is a list of MOOCs (Massive Open Online Courses) that can help you learn R for free (or pay a fee for a verified certificate):

[R programming on Coursera](#): *It's a 4-week course to go through basic R programming knowledge. It provides a weekly quiz and a final project for you to test your skills. Good for beginning to intermediate users.*

[Introduction to R for Data Science on edX](#): *It's a self-paced 4-week course to go through basic R programming knowledge. This course is using [DataCamp](#) for class materials and exercises. Good for beginners.*

[R Basics – R Programming Language Introduction on Udemy](#): *This is a self-paced course that goes through basic set up such as downloading the software and coding. Good for beginners.*

[Data Analysis with R on Udacity](#): *This course takes about 2 months to finish (it's also part of the Data Analyst nanodegree program). Its tutorial videos show coding processes in RStudio. Good for beginning to intermediate users.*

You can also install the [Swirl](#) R package to learn R in R. It gives you interactive instructions for different topics. This is good for intermediate users.

### Rad resources:

[R-bloggers](#): *This is a repository of R-related articles, including tutorials. You can subscribe to the mailing list to receive the latest articles.*

[Stack overflow](#): *This is a forum where you can post your question and get answers, or even better, provide answer to others' questions!*

**Lessons Learned:**

Don't be intimidated by the many choices you have in learning R. They are the means to reach your goal. So pick one that you like and get started!