

Like this course? Become an expert by joining the [Methods and Statistics in Social Sciences Specialization \(/specializations/social-science/\)](#).

(https://accounts.coursera.org/i/zendesk/courserahelp?return_to=https://learner.coursera.help/hc)

Upgrade

Course Forums

| |
|---|
| All Course Discussions (/learn/basic-statistics/discussions?sort=lastActivityAtDesc&page=1) |
| General Discussion (/learn/basic-statistics/forum/kCLnh66IEeWfHwqLjBT9w/discussions?sort=lastActivityAtDesc&page=1) |
| Meet and Greet (/learn/basic-statistics/forum/kCRHla6IEeWF6gppq4BTmQ/discussions?sort=lastActivityAtDesc&page=1) |
| Technical Issues (/learn/basic-statistics/forum/_Up6tK6IEeWacw7zR2f1aQ/discussions?sort=lastActivityAtDesc&page=1) |
| R lab assignments (/learn/basic-statistics/forum/_CpdW7YPEeWiXxLB9mtqCw/discussions?sort=lastActivityAtDesc&page=1) |

Module Forums

| |
|--|
| Before we get started... (/learn/basic-statistics/module/hjgXC/discussions?sort=lastActivityAtDesc&page=1) |
| Exploring data (/learn/basic-statistics/module/Qfr6d/discussions?sort=lastActivityAtDesc&page=1) |
| Correlation and Regression (/learn/basic-statistics/module/QioeJ/discussions?sort=lastActivityAtDesc&page=1) |
| Probability (/learn/basic-statistics/module/4jVfc/discussions?sort=lastActivityAtDesc&page=1) |
| Probability distributions (/learn/basic-statistics/module/dSaAb/discussions?sort=lastActivityAtDesc&page=1) |
| Sampling distributions (/learn/basic-statistics/module/aBCLv/discussions?sort=lastActivityAtDesc&page=1) |
| Confidence intervals (/learn/basic-statistics/module/OlvJg/discussions?sort=lastActivityAtDesc&page=1) |
| Significance tests (/learn/basic-statistics/module/CMlBb/discussions?sort=lastActivityAtDesc&page=1) |
| Exam time! (/learn/basic-statistics/module/Tmhqa/discussions?sort=lastActivityAtDesc&page=1) |

All Course Discussions

(/learn/basic-statistics/discussions?sort=lastActivityAtDesc&page=1&q=)

CM

Resources for learning R

Chris Mosychuk

General Discussion (/learn/basic-statistics/forum/kCLnh66IEeWfHwqLjBT9w/discussions) · 2 months ago (/learn/basic-statistics/discussions/nqKV2rWjEeW2NBLvq9LZHQ) · Edited

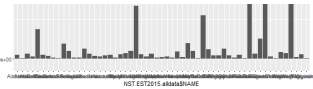
statistics/profiles/af0c09f636e2570eee4773de0f363367)

I saw quite a few posts about learning R. I feel that there are resources out there that really help, because for statistics, bioinformatics, data science, etc.. R is a really very helpful language on multiple fronts, though it takes some getting used to. Despite the good tutorials on Datacamp, practicing on your own machine can be made viable and interactive, though you'll need to download and install R from cran.r-project.org.

I recommend R Studio whole-heartedly. It provides an amazingly useful interface for working with R:

The screenshot shows the RStudio interface. The top-left pane displays a data table with columns: SUMLEV, REGION, DIVISION, STATE, NAME, CENSUS2010POP, ESTIMATEBASE2010, POPESTIMATE2010, POPESTIMATE2011, and POPESTIMATE2012. The table lists data for various US states and regions. The bottom-left pane shows the R console with the R startup message and the command 'demo()' being executed. The right-hand side of the interface shows the 'Environment' pane with 'Global Environment' and 'Data' (NCT_EST2015.all) listed. Below the environment pane is a plot area showing a bar chart.

```
> NDT.EST2015.alldata <- read.csv("~/NDT-EST2015-alldata.csv")
> view(NDT.EST2015.alldata)
> ggplot(NDT.EST2015.alldata, aes(x = NDT.EST2015.alldata$NAME, y = NDT.EST2015.alldata$CENSUS2010POP)) + geom_bar(s
  fac = "Identity")
Error: could not find function "ggplot"
> library(ggplot2)
> ggplot(NDT.EST2015.alldata, aes(x = NDT.EST2015.alldata$NAME, y = NDT.EST2015.alldata$CENSUS2010POP)) + geom_bar(s
  fac = "Identity")
> |
```



Help Center

Way better quality here: <http://s22.postimg.org/ngsq29lo1/Rstudex.png>

You can see that I uploaded a US government dataset (came as a CSV file, for comma-separated values), and all i had to do with it was click import dataset, set headers to YES, and click okay. Through R studio I can manipulate the dataset directly and *visualize the dataset*, but it's also relatively trivial to produce graphics all at once as well. You can also set it to start a concurrent R script so you don't have to work solely out of the console.

So! The links that helped me along, and bear with me as many of these use biological examples (that is my background). I'm still learning R, but I'm learning quickly how powerful it is and it really does trivialize working with the data once you get it down.

<https://cran.r-project.org/doc/contrib/Owen-TheRGuide.pdf> (<https://cran.r-project.org/doc/contrib/Owen-TheRGuide.pdf>)

https://cran.r-project.org/doc/contrib/Seefeld_StatsRBio.pdf (https://cran.r-project.org/doc/contrib/Seefeld_StatsRBio.pdf)

<https://cran.r-project.org/doc/contrib/Krijnen-IntroBioInfStatistics.pdf> (<https://cran.r-project.org/doc/contrib/Krijnen-IntroBioInfStatistics.pdf>)

<http://www.statmethods.net/> (<http://www.statmethods.net/>)

www.biostars.org

<http://stackoverflow.com/> (<http://stackoverflow.com/>)


And believe it or not, Googling your specific problems yields a huge amount of data from people in the same predicament!

▲ 19 Upvote · Follow 26 · Reply to Chris Mosychuk

Earliest (/learn/basic-statistics/discussions/nqKV2rWjEeW2NBLvq9LZHQ?sort=createdAtAsc&page=1)

Top (/learn/basic-statistics/discussions/nqKV2rWjEeW2NBLvq9LZHQ?sort=upvotesDesc&page=1)


Most Recent (/learn/basic-statistics/discussions/nqKV2rWjEeW2NBLvq9LZHQ?sort=createdAtDesc&page=1)

Kanglu Hu · a month ago (/learn/basic-statistics/discussions/nqKV2rWjEeW2NBLvq9LZHQ/replies/Ole_07dkEeWizw6inkys_w) ▼

(/learn/basic-statistics/profiles/7994e2518f5cab4c0c8267e78030a67b)

Thank you for your sharing. But I find R is very difficult for me. I just realize the deadline is tomorrow, but I just star to learn R.

▲ 1 Upvote · Hide 9 Replies

Joan M. Edens · a month ago (/learn/basic-statistics/discussions/nqKV2rWjEeW2NBLvq9LZHQ/replies/Ole_07dkEeWizw6inkys_w/comments/yho5p7foEeWSsApeh9GXiQ) ▼


(/learn/basic-statistics/profiles/ba27efd054eeae37ddb46acf6c306a4)

The course is self-paced if you need some more time :)

I feel your pain, since I just started in the R orientation today as well. I wanted to finish within the recommended time frames as well, so I skipped the second optional course to see if I could get through the required one without losing my sanity. I did fine, though I will go back and take the second course when I'm not so tired of working through the problems.

You might want to try that as well. Best of luck :)


▲ 1 Upvote

Jeyzany Ahmed · a month ago (/learn/basic-statistics/discussions/nqKV2rWjEeW2NBLvq9LZHQ/replies/Ole_07dkEeWizw6inkys_w/comments/nffB1Lg5EeWSsApeh9GXiQ) ▼

(/learn/basic-statistics/profiles/6053ca34e30eb2c7414b9d2d01f33817)

I tried but i couldnt finish


▲ 1 Upvote

Kevin Sun · a month ago (/learn/basic-statistics/discussions/nqKV2rWjEeW2NBLvq9LZHQ/replies/Ole_07dkEeWizw6inkys_w/comments/PYECvb4PEeWARArHojuCw) ▼

(/learn/basic-statistics/profiles/d1a5f3aa1fc6aa69bc9e5779a7a9f5b4)

Let's study R together. I think R is not difficult, maybe this is I have the background of Computer Science. Yesterday night, I took one hour to complete the two optional assignments for learning R. If you have any problem about learning programming language please contact me, I could give you a more proper way to understand it.


▲ 4 Upvote

John Sverre Rønnevik · 21 days ago (/learn/basic-statistics/discussions/nqKV2rWjEeW2NBLvq9LZHQ/replies/Ole_07dkEeWizw6inkys_w/comments/Ces2lssrEeWaURKFEvfOjQ) ▼

(/learn/basic-statistics/profiles/109b6c242b4dc5ae797106b5751e3417)

I think the R assignments are easier than the quizzes. Maybe because I can relate to the programming aspect of it in a better way than I do at the quizzes. It's been a while since I had maths in college / university.

▲ 0 Upvote


Minhal Sabah Khan · 21 days ago (/learn/basic-statistics/discussions/nqKV2rWjEeW2NBLvq9LZHQ/replies/Ole_07dkEeWizw6inkys_w/comments/GCYHsctYeeWaURKFEvfOjQ) ▼

(/learn/basic-statistics/profiles/782ec3ff58dfc5edb87c1f0f8084ece0)

Hey guys, I am also having a difficult time with relating to R labs. It all coding and IT stuff which i last looked at 12 years ago in class :)

The math part of statistics is also annoying (i hated math) but I find that sometime the instructor makes it too simplistic in the video because when i try to compute something the answers are not the same. I added the data they provided on an online statistics calculator, specifically for Pearson's r and the formula it used was completely different but the answer was right and no matter how many times i tried using the formula taught in the video the answers were incorrect.

▲ 1 Upvote

Bruno Nascimento · 21 days ago (/learn/basic-statistics/discussions/nqKV2rWjEeW2NBLvq9LZHQ/replies/Ole_07dkEeWizw6inkys_w/comments/mdJrgMtZEeWU5gr3hvdX9Q) ▼

(/learn/basic-statistics/profiles/109b6c242b4dc5ae797106b5751e3417)

Minhal if you hate math this will be a frustrating course for you But luckily we're here to support each other :)

statistics/profiles/5b8c010f6620d99113bccac65c81056b)
What was the formula for Pearson's R you're using?

▲ 2 Upvote

SS Simran Singh · 18 days ago (/learn/basic-statistics/discussions/nqKV2rWjEeW2NBLvq9LZHQ/replies/Ole_07dkEeWizw6inkys_w/comments/RQQk-80tEeWauRKfEvOjQ)

(/learn/basic-statistics/profiles/6ad916429f6abb1bfdd6a3d528fe7802)
I feel applying simple basic formulas are not going to get us anywhere with R. Although they do form the basic steps towards moving forward in R but I still feel we should move towards something more substantial and intensive.

▲ 1 Upvote

Jose Quibao Neto · 10 days ago (/learn/basic-statistics/discussions/nqKV2rWjEeW2NBLvq9LZHQ/replies/Ole_07dkEeWizw6inkys_w/comments/Df1x8NPQEeWjrhKRHKXGQw) · Edited
(/learn/basic-statistics/profiles/629fc79c230b257a061a0df511569c7c)
Well, since I was a boy in school, I did very bad in maths. And now, I still trying to understand and work with that because math is so important in our life, at all (I just can't see how to live and progress without math). I'am working

hard and and got some bad results too in this course, but you don't need to give up of this. What I'am doing (what take a lots of time) is whatched the videos twice, and at the second time I write everything that seems important to me. This is helping me so much! I think the very hard part of studies is to find a method that works for you as a singular person. Specifically, at Pearson's R formula, I think to get to the right answer is crucial that you follow the steps that the video shows - that's what I wrote in my notes, and helped me. If we can help you with something, please, tell us. Like Bruno said, we are here to help each other, and that's the very nice part of studies.

▲ 0 Upvote

Bruno Nascimento · 10 days ago (/learn/basic-statistics/discussions/nqKV2rWjEeW2NBLvq9LZHQ/replies/Ole_07dkEeWizw6inkys_w/comments/jsGladPZEeWjrhKRHKXGQw)

(/learn/basic-statistics/profiles/d7ee38c2502d313cfad3268ac94f0041)
Yep, that's it. I used to hate maths in high school because I had some pretty terrible teachers. Who hasn't? It was the same thing in college. But then I had this teacher who took a whole hour and a half lecture, and equations that spanned two blacks boards, to explain how division works. That was my moment of clarity, where it all made sense,

and my love for maths sparked. I think we all need to find our moment of clarity. Maths are not easy, but they don't need to be hard. You just need to tackle it from different sides - one will work.

▲ 0 Upvote

SD
(/learn/basic-statistics/profiles/f34069ce8df6de7dbefbfb7e760d9f)
Reply

Reply

GM Gene Molnar · a month ago (/learn/basic-statistics/discussions/nqKV2rWjEeW2NBLvq9LZHQ/replies/EPpKv7gkEeWizw6inkys_w) · Edited

(/learn/basic-statistics/profiles/d7ee38c2502d313cfad3268ac94f0041)
Like many of you I'm feeling very frustrated trying to learn Stats and then having to learn R programming, and finish up my first Stats class and take the final exam in week. Did I miss any reference when signing up for the course that we would have to do R programming, as well? I feel it's a heavy burden, but I will try to muscle through, but will not make the deadlines.

▲ 1 Upvote · Reply

ON Ousman Njie · a month ago (/learn/basic-statistics/discussions/nqKV2rWjEeW2NBLvq9LZHQ/replies/1IL0zrlcEeWARArHojuCw)

(/learn/basic-statistics/profiles/5d4c450be389a5e53f59c213a7712875)
I am getting inflicted in regards to R-Lab assignment, is a video or course that could guide to finished the R-lab assignment, I have no means to stuck myself. I felt it is part of the syllabus. I don't want to per say I passed the course not the R-Lab!

▲ 0 Upvote · Hide 7 Replies

Bruno Nascimento · 22 days ago (/learn/basic-statistics/discussions/nqKV2rWjEeW2NBLvq9LZHQ/replies/1IL0zrlcEeWARArHojuCw/comments/RybtQ8p7EeWITA6yOEEJlQ)

(/learn/basic-statistics/profiles/5b8c010f6620d99113bccac65c81056b)
The instructions are on the left side, and you can make multiple tries. Or use tips. But worst case scenario, you can google everything!

▲ 1 Upvote

JA Jenis Archibald-Hazel · 19 days ago (/learn/basic-statistics/discussions/nqKV2rWjEeW2NBLvq9LZHQ/replies/1IL0zrlcEeWARArHojuCw/comments/8FUM0syfEeW-EQ6jzRFlow)

(/learn/basic-statistics/profiles/995ad4c07b65899f3ea3347e14ef4ca6)
I am a day away from completing my R Lab, I have not been able to complete the practice sessions because I do not understand how to use this software.

Can somebody do an example of the first "3+4". Giving me detailed information or rather steps to follow on how to use this software. The youtube video offered me no help just explained what it operations can be carried out! I only have a few days, desperately need HELP!!!!!!!

▲ 0 Upvote

Joel Karuri · 17 days ago (/learn/basic-statistics/discussions/nqKV2rWjEeW2NBLvq9LZHQ/replies/1IL0zrlcEeWARArHojuCw/comments/FdCwSc3eEeWwoQrblHhKaQ)

(/learn/basic-statistics/profiles/98bf19f13c6d775ce7e2d440975cf149)
Hi Jenis, I kind of get what you might be experiencing: most people find coding rather challenging, especially because of the syntax. From my personal experience, it takes a bit of time to get the flow. However, with some practice, you eventually get the hang of it. Please see Code School for step-by-step examples, all the way from Basics to Advanced stuff.

As it were, R is quite a crucial tool in learning proper statistics/analysis, given that it has many researchers contributing to its development, and is freely available, unlike other statistical applications. Please take time to understand it, not only for the purposes of this course, but for the benefit of understanding Statistical Analysis at large.

All the Best! - You can do this...

▲ 0 Upvote



Joel Karuri · 17 days ago (/learn/basic-statistics/discussions/nqKV2rWjEeW2NBLvq9LZHQ/replies/11L0zrlcEeWARArsHojuCw/comments/8mvl7c3fEeW5pwpGVAgthQ)

(/learn/basic-statistics/profiles/98bf19f113c6d775e7e2d440973cf149)
Also, please visit <https://www.datacamp.com/courses/free-introduction-to-r> (<https://www.datacamp.com/courses/free-introduction-to-r>) for similar lessons on Programming in R. The Code School web page to visit is <http://tryr.codeschool.com/>. (<http://tryr.codeschool.com/>.) You won't go wrong with these ones...Cheers!

▲ 2 Upvote



Kanglu Hu · 17 days ago (/learn/basic-statistics/discussions/nqKV2rWjEeW2NBLvq9LZHQ/replies/11L0zrlcEeWARArsHojuCw/comments/kjLlk83tEeWOeA4jiPAy1w)

(/learn/basic-statistics/profiles/7994e2518f5ca64c0c8267e78030a67b)
Thank you! I'll try anything

▲ 0 Upvote

HH

Huang Hongying · 15 days ago (/learn/basic-statistics/discussions/nqKV2rWjEeW2NBLvq9LZHQ/replies/11L0zrlcEeWARArsHojuCw/comments/fCCyS8-yEeWx_BI9PC2FcQ)

(/learn/basic-statistics/profiles/688f18d35ce00befb8c27c10ff3d0d08)
Thank you very much for the wonderful help!

▲ 0 Upvote

B

boitor · 12 days ago (/learn/basic-statistics/discussions/nqKV2rWjEeW2NBLvq9LZHQ/replies/11L0zrlcEeWARArsHojuCw/comments/rMr44tIUeEw17wrgkMLDIQ)

(/learn/basic-statistics/profiles/06ad0f9c430232e20aa30ffb46f2b51a)
Indeed datacamp is the best opportunity

▲ 0 Upvote

SD

Reply

(/learn/basic-statistics/profiles/f34069ce8df6de7dbefedfb7e760d9f)

Reply

PG

Patrick Gordon · a month ago (/learn/basic-statistics/discussions/nqKV2rWjEeW2NBLvq9LZHQ/replies/EtnQs7p2EeWB9hL4Wm06nQ)

(/learn/basic-statistics/profiles/71c94698b445cecd23f6bea48f7d99a)
I find these tutorials useful. Short, 2 minute fun videos dealing with various aspects and functions of R. :)

<http://www.twotutorials.com/>

▲ 2 Upvote · Reply



Ivan Georgiev · a month ago (/learn/basic-statistics/discussions/nqKV2rWjEeW2NBLvq9LZHQ/replies/yizLfrdEeWxjwr0-3YODw)

(/learn/basic-statistics/profiles/d9f6f45a9dd809dd535ded86ceb78830)
I like the tutorials - learning R basics as a side effect from the course. In a very short time, in a guided manner you get used to R basics. Than the graded lab is also guided and not so complex.

▲ 1 Upvote · Reply

MW

Martha Waugh · a month ago (/learn/basic-statistics/discussions/nqKV2rWjEeW2NBLvq9LZHQ/replies/QhOoOcv4EeWjNw6BzriyBQ)

(/learn/basic-statistics/profiles/0c84a7793538744d98921ed8b1e92a3)
I am doing the RProgramming course from Johns Hopkins, also on Coursera at the same time. MUCH better than this course at explaining the basics and comes with a handy pdf with the simple operations explained and demonstrated. If you don't have time to do the course, you could just download the document.

▲ 0 Upvote · Reply



Arka Roy · a month ago (/learn/basic-statistics/discussions/nqKV2rWjEeW2NBLvq9LZHQ/replies/07tgQMZKEeWb3QofSqIPiQ)

(/learn/basic-statistics/profiles/71c66d1ae6125aa337f99bb2d88a9abc)
Some good stuff here:
<http://www.computerworld.com/article/2497464/business-intelligence/business-intelligence-60-r-resources-to-improve-your-data-skills.html> (<http://www.computerworld.com/article/2497464/business-intelligence/business-intelligence-60-r-resources-to-improve-your-data-skills.html>)

▲ 1 Upvote · Reply



kathryn · 15 days ago (/learn/basic-statistics/discussions/nqKV2rWjEeW2NBLvq9LZHQ/replies/C4fyBM-_EeW-EQ6jzRFlow)

(/learn/basic-statistics/profiles/d681b40bf7d4c5f57256fc8263df5990)
I'm finding the R-labs difficult too, given I have no computing background, but am going to stick with it assuming (hoping?!) that in a few weeks it'll just click. I have found Codeschool has a useful R course. It's very basic and reassuring and has helped me, as a back up to Datacamp. Here: <http://tryr.codeschool.com>

▲ 0 Upvote · Reply

HB

Helen Brown · 12 days ago (/learn/basic-statistics/discussions/nqKV2rWjEeW2NBLvq9LZHQ/replies/06sMX911EeWsaAqtPzxiow)

(/learn/basic-statistics/profiles/4de79b080fa9970a43e8b0780693ade)
I found the R course as part of the Data Science specialisation helpful (although I'd say their assignments are harder) but if you don't want to do the whole thing there are interactive tutorials they link to, which are good <http://swirlstats.com/> (<http://swirlstats.com/>)

I think R is just a bit of a tricky language. It's a lot of computing for statisticians, but a lot of statistics for people from a computing background (plus it seems to have a lot less in the way of coding conventions or standards than many other languages)

▲ 0 Upvote · Reply



Trang Doan · 10 days ago (/learn/basic-statistics/discussions/nqKV2rWjEeW2NBLvq9LZHQ/replies/mGfj7tNeEeWx_Bi9PC2FcQ)

(/learn/basic-statistics/profiles/c5e147c3f12f4c0d401e12ccf92f098d)
Is it OK to follow the Basic Statistics course using SPSS? Are the two programs similar?



Harriet Taber · 9 days ago (/learn/basic-statistics/discussions/nqKV2rWjEeW2NBLvq9LZHQ/replies/Sq98Td59EeW9ug73QL_FVQ)

(/learn/basic-statistics/profiles/78b0d86a23cee4fe2ed88efa1ddeb70)
Not sure who to pose the following question to: I started the course a week late. Am enjoying it so far -- have completed first quiz, am half way through week 2's lectures and have not yet begun the R-Lab stuff. Clearly, if am concerned about pacing, I should transfer to the next cohort (beginning Feb 29) but I am currently enjoying all my work and don't want to interrupt it to wait for Feb 29 start. Question: If I transfer to next cohort, can I continue working as I already am on lectures, familiarizing myself with R-lab, quizzes, etc. -- in other words, is there a limited "gummy-time" aspect to this enrollment? Thanks in advance.

▲ 0 Upvote · Reply



Harriet Taber · 9 days ago (/learn/basic-statistics/discussions/nqKV2rWjEeW2NBLvq9LZHQ/replies/gjhnC9S9EeW-EQ6jzRFlow)

(/learn/basic-statistics/profiles/78b0d86a23cee4fe2ed88efa1ddeb70)
General question: posted in the wrong place above -- apologies. Reposted here:
Not sure who to pose the following question to: I started the course a week late. Am enjoying it so far -- have completed first quiz, am half way through week 2's lectures and have not yet begun the R-Lab stuff. Clearly, if am concerned about pacing, I should transfer to the next cohort (beginning Feb 29) but I am currently enjoying all my work and don't want to interrupt it to wait for Feb 29 start. Question: If I transfer to next cohort, can I continue working as I already am on lectures, familiarizing myself with R-lab, quizzes, etc. -- in other words, is there a limited "gummy-time" aspect to this enrollment? Thanks in advance.

▲ 0 Upvote · Hide 1 Reply



Efthymia Nakopoulou · 7 days ago (/learn/basic-statistics/discussions/nqKV2rWjEeW2NBLvq9LZHQ/replies/gjhnC9S9EeW-EQ6jzRFlow/comments/h38NTNZLeWQzA7MOZsNDQ)

(/learn/basic-statistics/profiles/acecd0898087ab96586d7aaf8dd4bb9a)
think that even if you transfer to the next session (Febr. 29) you can still work on the R-labs, Quizzes an watch the videos. And your insolar progress remains saved. I had to transfer at some point and I still had access to all the material and didn't lose my progress!

▲ 0 Upvote

SD

Reply

(/learn/basic-statistics/profiles/f34069ce8df6de7dbebfedfb7e760d9f)

Reply

SD

(/learn/basic-statistics/profiles/f34069ce8df6de7dbebfedfb7e760d9f)

Reply

Reply