Resources for learning R

Books

* R for data science
* The R Book
* Cookbook for R
* Ecological models and Data in R (used in Bio133)

Courses at Tufts

* BIO133 Ecological Models and Data

Online tutorials

* Swirl (<http://swirlstats.com/>) - This is a tutorial that runs in R, so it requires successful installation of R and RStudio, but gets students used to the interface
* TryR (<http://tryr.codeschool.com/>) - This tutorial involves typing R code into a website, so students don't need to install R or RStudio.
* DataCamp (<http://tryr.codeschool.com/>) - This one also runs in a website and doesn't require installation of any software.  It also has the benefit of allowing  you to skip chapters in case we only wanted to assign certain ones. (for example, 1,2,4, and 5 are all I think students would need)
* Cyclismo (<http://www.cyclismo.org/tutorial/R/>) - This is the only one that includes (and starts with) reading data in from a .csv file.  It is a lot more than just an introduction, but selected chapters could be assigned (e.g. 1-3 and 7). This does not have a web interface for code, and assumes you have installed R or RStudio and you know how to launch it and where to type in code to get results.

Online courses

<http://www.transmittingscience.org/courses/statistics-and-bioinformatics/r-without-fear-applied-r-biologists/>

<https://www.edx.org/course/statistics-r-harvardx-ph525-1x-0>