

R Tutorial

Matthew Kayala

Institute for Genomics and Bioinformatics
Donald Bren School of Information and Computer Sciences

- Who?
- What?
 - A functional statistical programming language
- Where?
 - <http://cran.r-project.org/>
- When?
- Why?
 - Too many to list, but: easy, powerful, cutting-edge, standard.
- How?

- Data Structures
- Distributions
- Functional Programming
- Data Exploration
- Machine Learning

Other interesting R stuff:

- ESS <http://ess.r-project.org/>
- RPy <http://rpy.sourceforge.net/>
- Sweave <http://www.stat.umn.edu/~charlie/Sweave/>
- Bioconductor <http://bioconductor.org/>
- Lattice

UCI R Seminar

- <https://sites.google.com/site/ucirseminar/Home>

- <http://cran.r-project.org/>
- R Intro
<http://cran.r-project.org/doc/manuals/R-intro.html>
- R Search Page <http://finzi.psych.upenn.edu/>
- R Tutorials
 - <http://www.math.ilstu.edu/dhkim/Rstuff/Rtutor.html>
 - <http://www.cyclismo.org/tutorial/R/>
 - http://zoonek2.free.fr/UNIX/48_R/all.html
- R Graph Gallery <http://addictedtor.free.fr/graphiques/>