R

* [**How to read Histograms and use them in R**](http://flowingdata.com/2014/02/27/how-to-read-histograms-and-use-them-in-r/)
* [**Bernstein, M. S., Bakshy, E., Burke, M., & Karrer, B. (2013). Quantifying the invisible audience in social networks. In Proceedings of the SIGCHI Conference on Human Factors in Computing Systems (CHI 2013), pp. 21-30**](http://hci.stanford.edu/publications/2013/invisibleaudience/invisibleaudience.pdf)
* [**Faceting**](http://www.cookbook-r.com/Graphs/Facets_(ggplot2)/)
* [**top-coded**](http://en.wikipedia.org/wiki/Top-coded)
* [**ggplot theme documentation**](http://docs.ggplot2.org/0.9.2.1/theme.html)
* [**Create Multiple Plots in One Image Output**](http://lightonphiri.org/blog/ggplot2-multiple-plots-in-one-graph-using-gridextra)
* [**Add Log or Sqrt Scales to an Axis**](http://docs.ggplot2.org/current/scale_continuous.html)
* [**Assumptions of Linear Regression**](http://en.wikipedia.org/wiki/Linear_regression#Assumptions)
* [**Normal Distribution**](http://en.wikipedia.org/wiki/Normal_distribution)
* [**Log Transformations of Data**](http://www.r-statistics.com/2013/05/log-transformations-for-skewed-and-wide-distributions-from-practical-data-science-with-r/)
* [**Data Wrangling in R**](https://s3.amazonaws.com/udacity-hosted-downloads/ud651/DataWranglingWithR.pdf)
* [**RStudio's webpage**](http://www.rstudio.com/resources/cheatsheets/)
* [**Gapminder Data**](http://www.gapminder.org/data/)
* [**Hans Rosling's 200 Countries, 200 Years, 4 Minutes**](https://www.youtube.com/watch?v=jbkSRLYSojo)
* [**Date Formats in R**](http://www.r-bloggers.com/date-formats-in-r)
* [**Export a Google Calendar**](https://support.google.com/calendar/answer/37111?hl=en)
* [**Google Calendar to Excel: Free Trial**](http://www.gcal2excel.com/)
* [**ggplot2 geoms**](http://docs.ggplot2.org/current/)
* [**ggplot2 tutorial**](http://bbs.ceb-institute.org/wp-content/uploads/2011/09/handout_ggplot2.pdf) by Ramon Saccilotto
* [**dplyr package**](http://blog.rstudio.org/2014/01/17/introducing-dplyr/).
* [**Introduction to dplyr**](http://rstudio-pubs-static.s3.amazonaws.com/11068_8bc42d6df61341b2bed45e9a9a3bf9f4.html)
* [**Introduction of dplyr**](http://www.r-bloggers.com/hadley-wickham-presents-dplyr-at-user-2014/)
* [**dplyr Tutorial Part 1**](http://www.r-bloggers.com/hadley-wickhams-dplyr-tutorial-at-user-2014-part-1/)
* [**dplyr Tutorial Part 2**](http://www.r-bloggers.com/hadley-wickhams-dplyr-tutorial-at-user-2014-part-2/)
* For more on geom\_line(), you can check the documentation [**here**](http://docs.ggplot2.org/current/geom_path.html).
* [**quantiles (percentiles)**](http://www.r-tutor.com/elementary-statistics/numerical-measures/percentile).
* [**Assumptions of Linear Regression**](http://en.wikipedia.org/wiki/Linear_regression#Assumptions)
* The Details of [**Loess and Lowess**](http://en.wikipedia.org/wiki/Local_regression)
* [**Local Regression (LOESS)**](http://simplystatistics.org/2014/02/13/loess-explained-in-a-gif/) explained visually on the [**Simply Statistics**](http://simplystatistics.org/) blog.
* [**A Visual Guide to Correlation**](https://s3.amazonaws.com/udacity-hosted-downloads/ud651/correlation_images.jpeg)
* [**Correlation Coefficient**](http://www.r-tutor.com/elementary-statistics/numerical-measures/correlation-coefficient)
* [**Intro to Inferential Statistics- Correlation**](https://classroom.udacity.com/courses/ud201/lessons/1345848540/concepts/1715827370923)
* [**monotonic functions**](http://en.wikipedia.org/wiki/Monotonic_function)?
* [**Correlation Methods: Pearson's r, Spearman's rho, and Kendall's tau**](http://www.statisticssolutions.com/correlation-pearson-kendall-spearman/)
* [**QuickR's Graphical Parameters**](http://www.statmethods.net/advgraphs/parameters.html).
* [**Melt data frames in R**](http://www.r-bloggers.com/melt/)   
    
  [**Micro-array/Gene Expression Data**](https://s3.amazonaws.com/udacity-hosted-downloads/ud651/nci.tsv)
* [**Linear Models and Operators in R**](http://data.princeton.edu/R/linearModels.html)
* [**IID assumption**](http://en.wikipedia.org/wiki/Independent_and_identically_distributed_random_variables)
* [**Diamond Prices over the Years**](http://www.pricescope.com/diamond-prices/diamond-prices-chart)
* [**Global Diamond Report**](http://www.bain.com/publications/articles/global-diamond-report-2013.aspx)
* [**Falling Supply and Rising Demand: Couples in Shanghai take to the Ring**](http://diamonds.blogs.com/diamonds_update/diamond-prices/)
* [**Interpreting Regression Coefficients in R**](http://www.r-bloggers.com/interpreting-regression-coefficient-in-r/?utm_source=feedburner&utm_medium=email&utm_campaign=Feed%3A+RBloggers+%28R+bloggers%29) on R Bloggers
* [**Interpreting Regression Coefficients**](http://www.theanalysisfactor.com/interpreting-regression-coefficients/) on the Analysis Factor blog
* [**Fitting and Interpreting Linear Models**](http://blog.yhathq.com/posts/r-lm-summary.html) by ŷhat
* [**Another Explanation of Factor Coefficients in Linear Models**](http://stats.stackexchange.com/a/24256) on Stats StackExchange

Python

* [**Lifewire: What Is a ZIP File?**](https://www.lifewire.com/zip-file-2622675)
* [**Jeff Knupp: Context Managers**](https://jeffknupp.com/blog/2016/03/07/python-with-context-managers/)
* **[DigitalOcean: Aliasing Modules](https://www.digitalocean.com/community/tutorials/how-to-import-modules-in-python-3" \l "aliasing-modules" \t "_blank)**
* [**Stack Overflow: Can you define aliases for imported modules in Python?**](https://stackoverflow.com/questions/706595/can-you-define-aliases-for-imported-modules-in-python)
* [**Jeff Leek: Non-tidy data**](https://simplystatistics.org/2016/02/17/non-tidy-data/)
* [**Data Carpentry: Copying Objects vs. Referencing Objects in Python**](http://www.datacarpentry.org/python-ecology-lesson/02-index-slice-subset/)
* [**Python Wiki: For loops**](https://wiki.python.org/moin/ForLoop)
* [**pandas: Display Options and Settings**](https://pandas.pydata.org/pandas-docs/stable/options.html)
* [**Data Wrangling Versus ETL: What’s the Difference?**](https://tdwi.org/articles/2017/02/10/data-wrangling-and-etl-differences.aspx)
* [**Rotten Tomatoes: Top 100 Movies of All Time**](https://www.rottentomatoes.com/top/bestofrt/)
* [**RogerEbert.com**](http://www.rogerebert.com/)
* [**Andreas Mueller: Word Cloud Generator in Python**](https://amueller.github.io/word_cloud/)
* Our short [**Linux Command Line Basics**](https://www.udacity.com/course/linux-command-line-basics--ud595) course (for Linux and Mac users)
* [**Navigating the Terminal: A Gentle Introduction**](https://computers.tutsplus.com/tutorials/navigating-the-terminal-a-gentle-introduction--mac-3855) by Marius Masalar (for Mac users)
* [**Command Prompt - How to use the simple, basic commands**](http://www.digitalcitizen.life/command-prompt-how-use-basic-commands) by Codrut Neagu (for Windows users)
* [**Rotten Tomatoes Top 100 Movies of All Time TSV File**](https://d17h27t6h515a5.cloudfront.net/topher/2017/September/59ca594d_bestofrt/bestofrt.tsv)
* [**Professor Excel: XML & ZIP: Explore Your Excel Workbooks File Structure**](http://professor-excel.com/xml-zip-excel-file-structure/)
* [**Cornell: Relational Databases - Not your Father's Flat Files**](https://www.cac.cornell.edu/education/Training/DataAnalysis/RelationalDatabases.pdf)
* [**pandas: Flat File Functions**](https://pandas.pydata.org/pandas-docs/stable/api.html#flat-file)
* [**Rotten Tomatoes: E.T. the Extra-Terrestrial (1982)**](https://www.rottentomatoes.com/m/et_the_extraterrestrial)
* [**Beautiful Soup**](https://www.crummy.com/software/BeautifulSoup/)
* [**Requests**](http://docs.python-requests.org/en/master/)
* [**Towards Data Science: Ethics in Web Scraping**](https://medium.com/towards-data-science/ethics-in-web-scraping-b96b18136f01)
* [**David Venturi: Screen scraping was the first "magical" thing that drew me to programming**](https://twitter.com/venturidb/status/734757220525715456)
* [**most efficient way of building a DataFrame row by row**](https://stackoverflow.com/a/28058264)
* [**Beautiful Soup**](https://www.crummy.com/software/BeautifulSoup/)
* [**Stack Overflow: Beautiful Soup and Unicode Problems**](https://stackoverflow.com/questions/19508442/beautiful-soup-and-unicode-problems)
* [**Stack Overflow: Python: Removing \xa0 from string**](https://stackoverflow.com/questions/10993612/python-removing-xa0-from-string)

### [The Absolute Minimum Every Software Developer Absolutely, Positively Must Know About Unicode and Character Sets (No Excuses!)](https://www.joelonsoftware.com/2003/10/08/the-absolute-minimum-every-software-developer-absolutely-positively-must-know-about-unicode-and-character-sets-no-excuses/) by Joel Spolsky

* [**The difference between UTF-8 and Unicode?**](http://www.polylab.dk/utf8-vs-unicode.html)
* [**More About Unicode in Python 2 and 3**](http://lucumr.pocoo.org/2014/1/5/unicode-in-2-and-3/)