**Day 3**[Help](https://class.coursera.org/bigdataschool-001/help/pages?url=https%3A%2F%2Fclass.coursera.org%2Fbigdataschool-001%2Fwiki%2FDay_3)

**Introduction to *R***(A. Mahabal)

* [Part 1](https://class.coursera.org/bigdataschool-001/lecture/41) [15:46]  [Slides](https://d396qusza40orc.cloudfront.net/bigdataschool/lecture_slides/Mahabal_Rprog_1.pdf) (pdf)
* [Part 2](https://class.coursera.org/bigdataschool-001/lecture/43) [20:52]  [Slides](https://d396qusza40orc.cloudfront.net/bigdataschool/lecture_slides/Mahabal_Rprog_2.pdf) (pdf)
* [Part 3](https://class.coursera.org/bigdataschool-001/lecture/81) [12:54]  [Slides](https://d396qusza40orc.cloudfront.net/bigdataschool/lecture_slides/Mahabal_Rprog_3.pdf) (pdf)
* [Part 4](https://class.coursera.org/bigdataschool-001/lecture/83) [08:34]  [Slides](https://d396qusza40orc.cloudfront.net/bigdataschool/lecture_slides/Mahabal_Rprog_4.pdf) (pdf)
* [Part 5](https://class.coursera.org/bigdataschool-001/lecture/85) [15:18]  [Slides](https://d396qusza40orc.cloudfront.net/bigdataschool/lecture_slides/Mahabal_Rprog_5.pdf) (pdf)
* [Part 6](https://class.coursera.org/bigdataschool-001/lecture/91) [15:15]  [Slides](https://d396qusza40orc.cloudfront.net/bigdataschool/lecture_slides/Mahabal_Rprog_6.pdf) (pdf)
* [Part 7](https://class.coursera.org/bigdataschool-001/lecture/93) [09:47]  [Slides](https://d396qusza40orc.cloudfront.net/bigdataschool/lecture_slides/Mahabal_Rprog_7.pdf) (pdf)
* [Exercise](https://d396qusza40orc.cloudfront.net/bigdataschool/Mahabal_R_Exercise_2014.pdf) (pdf document with the description and links)
* Dataset for the exercises:  [CRTS 6 classes](http://goo.gl/Zjacs6)

[Download R](http://cran.r-project.org/mirrors.html)

Install on Mac:

<http://cran.r-project.org/doc/manuals/R-admin.html#Installing-R-under-_0028Mac_0029-OS-X>

Install on Windows:

<http://cran.r-project.org/doc/manuals/R-admin.html#Installing-R-under-Windows>

Install on other Unix-alikes:

<http://cran.r-project.org/doc/manuals/R-admin.html#Installing-R-under-Unix_002dalikes>

Additional resources on R:

* [R Project](http://www.r-project.org/)
* [CRAN](http://cran.us.r-project.org/)
* [Official Manuals](http://cran.r-project.org/manuals.html)
* [Advanced R programming](http://adv-r.had.co.nz/)
* [R-Inferno](http://www.burns-stat.com/documents/books/the-r-inferno/) (book download)
* [R-studio](http://www.rstudio.com/), [Shiny](http://shiny.rstudio.com/)
* [Swirl](http://swirlstats.com/), [Swirlify](https://github.com/swirldev/swirlify)
* [astRowRap](http://astrowrap-dev.github.io/astrowrap/), Parts of astRowRap through swirl
* [ggplot2](http://ggplot2.org/), [Graphics](http://cran.r-project.org/web/views/Graphics.html)
* [Refcard](http://cran.r-project.org/doc/contrib/Short-refcard.pdf), [Refcard for Data Mining](http://cran.r-project.org/doc/contrib/YanchangZhao-refcard-data-mining.pdf)
* [Bioconductor packages](http://www.bioconductor.org/)
* [R bloggers](http://www.r-bloggers.com/)
* [Google class style guide](http://google-styleguide.googlecode.com/svn-history/r106/trunk/google-r-style.html)
* [OO essentials](http://adv-r.had.co.nz/OO-essentials.html)

Other related resources

* [IVOA KDD guide Section 7](http://wiki.ivoa.net/twiki/bin/view/IVOA/IvoaKDDguideUnused%20)
* [VOStat](http://astrostatistics.psu.edu:8080/vostat/)
* [Astrostat](http://vo.iucaa.ernet.in/~voi/AstroStat.html)