

# Expository Data Analysis w/ R - ECON 314

## HOWARD UNIVERSITY

### ACADEMIC CALENDAR

#### Spring 2017

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Lecture	Day	Course	Topics Covered
1.	January 13, Friday	1.	(a) Introduction to Basics R ( <i>expect something from Kyle</i> ), (b) Navigating the Operating System, Data Input, Management and Output ( <i>William</i> )
2.	January 20, Friday	2.	Introduction to basic R programming ( <i>Shifrah</i> ) <b>** Suggested makeup class options</b> ( <i>students will decide</i> ): (a) <i>Friday, January 20 -- class at Howard University</i> (b) <i>Tuesday, January 17 -- class at FRB K-Street</i> (c) <i>Tuesday, January 24 -- class at FRB K-Street</i>
3.	January 27, Friday	3.	Introduction to R programming
4.	February 3, Friday	3.	Descriptive Statistics & Exploratory Data Analysis (EDA) in R, 1
5.	February 10, Friday	3.	Descriptive Statistics & Exploratory Data Analysis (EDA) in R, 2 ( <i>Damian, Jeff Naber</i> )
6.	February 17, Friday	4.	Dplyr, reshape, data tables ( <i>Brian Seok, Simeon, Damian</i> )
7.	February 24, Friday	5.	R Programming, and Dates and Time ( <i>Jeff Naber</i> )
8.	March 3, Friday	6.	Producing Graphs in R using ggplot2 ( <i>Tom Allard, Simeon, Brian</i> )
9.	March 10, Friday	7.	Simple Linear Regression and ANOVA in R ( <i>Simeon, Jeff Naber</i> )
10.	March 24, Friday		Midterm project presentation – Part 1 of 2
11.	March 31, Friday		Midterm project presentation – Part 2 of 2

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| 12. April 7, Friday  | 8. Overview of first set of topics - TBD                                   |
| 13. April 14, Friday | 9. Overflow topics, R-apply ( <i>Jeff Naber</i> )                          |
| 14. April 21, Friday | 10. Reproducible project using R markdown ( <i>Simeon, William</i> )       |
| 15. April 28, Friday | Final project presentation – Part 1 of 2 -- <i>Grad students grades in</i> |
| 16. May 5, Friday    | Final project presentation – Part 2 of 2                                   |