Expository Data Analysis w/ R - ECON 314

HOWARD UNIVERSITY

ACADEMIC CALENDAR

Spring 2017

**Lecture Day Course Topics Covered**

1. January 13, Friday *1.* (a) **Introduction to Basics R *(expect something from Kyle)*,**
2. **Navigating the Operating System, Data Input, Management and Output (*William*)**
3. January 20, Friday *2*. **Introduction to basic R programming (*Shifrah*)**

**\*\* *Suggested makeup class options (students will decide):***

1. ***Friday, January 20 -- class at Howard University***
2. ***Tuesday, January 17 -- class at FRB K-Street***

***(c) Tuesday, January 24 -- class at FRB K-Street***

1. January 27, Friday *3.* **Introduction to R programming**
2. February 3, Friday *3.* **Descriptive Statistics & Exploratory Data Analysis (EDA) in R, 1**
3. February 10, Friday *3.* **Descriptive Statistics & Exploratory Data Analysis (EDA) in R, 2**

**(*Damian, Jeff Naber*)**

1. February 17, Friday *4.* Dplyr, reshape, data tables (*Brian Seok, Simeon, Damian*)
2. February 24, Friday *5.* **R Programming, and Dates and Time (*Jeff Naber*)**
3. March 3, Friday *6.* Producing Graphs in R using ggplot2 (*Tom Allard, Simeon, Brian*)
4. March 10, Friday *7.* Simple Linear Regression and ANOVA in R (*Simeon, Jeff Naber*)
5. March 24, Friday Midterm project presentation – Part 1 of 2
6. March 31, Friday Midterm project presentation – Part 2 of 2
7. April 7, Friday 8. Overview of first set of topics - TBD
8. April 14, Friday *9.* Overflow topics, R-apply (*Jeff Naber*)
9. April 21, Friday *10.* Reproducible project using R markdown (*Simeon, William*)
10. April 28, Friday **Final project presentation** – Part 1 of 2 -- *Grad students grades in*
11. May 5, Friday **Final project presentation** – Part 2 of 2