Stat 3601: Data Analysis course schedule and plan

Instructor: Jong-Min Kim

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Week 1 (May 17- May 21)

Read Chapter 1 from the following course note:

http://cda.mrs.umn.edu/~jongmink/Stat3601/f05notes.pdf

Install R program from the following website:

http://cran.us.r-project.org/bin/windows/base/

(Homework 1) Please do Section 1 examples by R form the following website:

http://cran.r-project.org/doc/contrib/Verzani-SimpleR.pdf

Week 2 (May 24- May 28)

Read Chapter 2 from the following course note:

http://cda.mrs.umn.edu/~jongmink/Stat3601/f05notes.pdf

Read ANOVA PowerPoint (PPT) from the course website:

 (Homework 2)

Please summarize the Chapter 2 and ANOVA PPT within 3 pages and submit by email.

Please do chapter 1 examples by R form the following website:

Practical Regression and Anova using R
Julian J. Faraway

http://cran.r-project.org/doc/contrib/Faraway-PRA.pdf

Week 3 (May 30- June 4)

Read Chapter 3 from the following course note:

http://cda.mrs.umn.edu/~jongmink/Stat3601/f05notes.pdf

Read Regression Diagnostics PowerPoint (PPT) from the course website:

Please do chapter 2 examples by R form the following website:

Practical Regression and Anova using R
Julian J. Faraway

http://cran.r-project.org/doc/contrib/Faraway-PRA.pdf

(Homework 3)

Please summarize the Chapter 3 and Regression Diagnostics PPT within 5 pages and submit by email.

Week 4 (June 7- June 11)

Read Chapter 4 (Sec. 4.1~ Sec. 4.6) from the following course note:

http://cda.mrs.umn.edu/~jongmink/Stat3601/f05notes.pdf

Read Simple Regression PowerPoint (PPT) from the course website:

Please do chapter 3 examples by R form the following website:

Practical Regression and Anova using R
Julian J. Faraway

http://cran.r-project.org/doc/contrib/Faraway-PRA.pdf

(Homework 4)

Please summarize the Chapter 4 and Simple Regression PPT within 5 pages and submit by email.

Week 5 (June 14- June 18)

Read Chapter 4 (Sec. 4.7~ Sec. 4.12) from the following course note:

http://cda.mrs.umn.edu/~jongmink/Stat3601/f05notes.pdf

Read Multiple Regression PowerPoint (PPT) from the course website:

Please do chapter 7 examples by R form the following website:

Practical Regression and Anova using R
Julian J. Faraway

http://cran.r-project.org/doc/contrib/Faraway-PRA.pdf

(Homework 5)

Please summarize the Chapter 4 and Multiple Regression PPT within 5 pages and submit by email.

Week 6 (June 21- June 25)

Read Chapter 5 from the following course note:

http://cda.mrs.umn.edu/~jongmink/Stat3601/f05notes.pdf

Please do chapter 8 examples by R form the following website:

Practical Regression and Anova using R
Julian J. Faraway

http://cran.r-project.org/doc/contrib/Faraway-PRA.pdf

 (Homework 6)

Please summarize the Chapter 5 within 5 pages and submit by email.

Week 7 (June 28- July 2)

Please submit all programs and the program outputs with detailed explanation based on

Example R codes:

http://www.maths.bath.ac.uk/~jjf23/LMR/scripts/

Practical Regression and Anova using R
Julian J. Faraway

http://cran.r-project.org/doc/contrib/Faraway-PRA.pdf

Week 8 (July 5 - July 9)

Read Chapter 9 from the following course note:

http://cda.mrs.umn.edu/~jongmink/Stat3601/f05notes.pdf

Please do chapter 8 examples by R form the following website:

Practical Regression and Anova using R
Julian J. Faraway

http://cran.r-project.org/doc/contrib/Faraway-PRA.pdf

 (Homework 1)

Please summarize the Chapter 8 within 5 pages and submit by email.

Week 9 (July 12 - July 16)

Read Chapter 9 from the following course note:

http://cda.mrs.umn.edu/~jongmink/Stat3601/f05notes.pdf

Please do chapter 9 examples by R form the following website:

Practical Regression and Anova using R
Julian J. Faraway

http://cran.r-project.org/doc/contrib/Faraway-PRA.pdf

(Homework 2)

Please summarize the Chapter 9 within 5 pages and submit by email.

Week 10 (July 19 - July 23)

Read Chapter 10 from the following course note:

http://cda.mrs.umn.edu/~jongmink/Stat3601/f05notes.pdf

Read Regression Diagnostics PowerPoint (PPT) from the course website:

Please do chapter 15 examples by R form the following website:

Practical Regression and Anova using R
Julian J. Faraway

http://cran.r-project.org/doc/contrib/Faraway-PRA.pdf

 (Homework 3)

Please summarize the Chapter 10 within 5 pages and submit by email.

Week 11 (July 26- July 30)

Read Chapter 11 from the following course note:

http://cda.mrs.umn.edu/~jongmink/Stat3601/f05notes.pdf

Read Simple Regression PowerPoint (PPT) from the course website:

Please do chapter 16 examples by R form the following website:

Practical Regression and Anova using R
Julian J. Faraway

http://cran.r-project.org/doc/contrib/Faraway-PRA.pdf

 (Homework 4)

Please summarize the Chapter 11 within 5 pages and submit by email.