Homework/Assignments

(1) Basics and first steps

(a) Install R (and RStudio if you want) on your computer

Instructions (if you need them), e.g., here

R

http://www.youtube.com/watch?v=W101Mof0Exc&index=7&list=PLycnP7USbo1V3jlyjAzWUB201cLxPq4NP

R and RStudio

http://www.youtube.com/watch?v=WJDrYUqNrHg

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Homework/Assignments cont.

(b) Read chapter 3 in Field, Miles, & Field (FMF)

- some is recap, some is preparation for next week
- Do all the things yourself that are in the chapter
- skip section 3.6 R Commander: R Commander not recommended; **instead**
  - To define variables: use commands, e.g., `as.factor()` or `factor()`
  - To view data: commands such as `head()`, `tail()`; programs like Excel, OpenOffice etc

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Homework/Assignments cont.

(c) Watch two videos by Dan Goldstein

He shows useful basics (some of we'll be covering only later)

- http://www.dangoldstein.com/flash/Rtutorial1/Rtutorial1.html
- http://www.dangoldstein.com/flash/Rtutorial2/Rtutorial2.html

→ **Try out the commands/analyses (plots, etc) that Dan does**

→ **Important things to remember from these videos**

- how to read an external data file
- use of $ (as in: $dataframe\$variable$)
- creating relatively simple plots (advanced ones: later classes)
- creating a simple linear regression (but we'll cover that later!)
- how to get help using ?

(d) Go through my example script (on BlackBoard)

StatsII_Week_1_10Nov2014_BB.R

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Homework/Assignments cont.

(2) Things you learned in Stats 1

→ You did it in SPSS, now you do it in R!

Blackboard → Course Documents → Week 1: Introduction → Homework

- pdf file "Homework 2 instructions (adapted from Stats 1)"
- REGRESS.SAV

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Homework/Assignments cont.

When you do your homework (2), you'll **create 3 files**

- R script (file extension .R) with the commands you used to do your homework (2)
- Word doc with the answers to the questions, plus figures
- csv file with the data frame you created and then saved
- Paste R script into word doc with answers/figures, print the whole thing out, and bring to next class!

→ **Things that were difficult/unclear: Post it on Blackboard and/or bring questions to next week's class!**

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