Basics to R

Data Management

November 20, 2020

Outline for Today

- Schedule Breakdown

- Why should you use R?

- Learning the Language

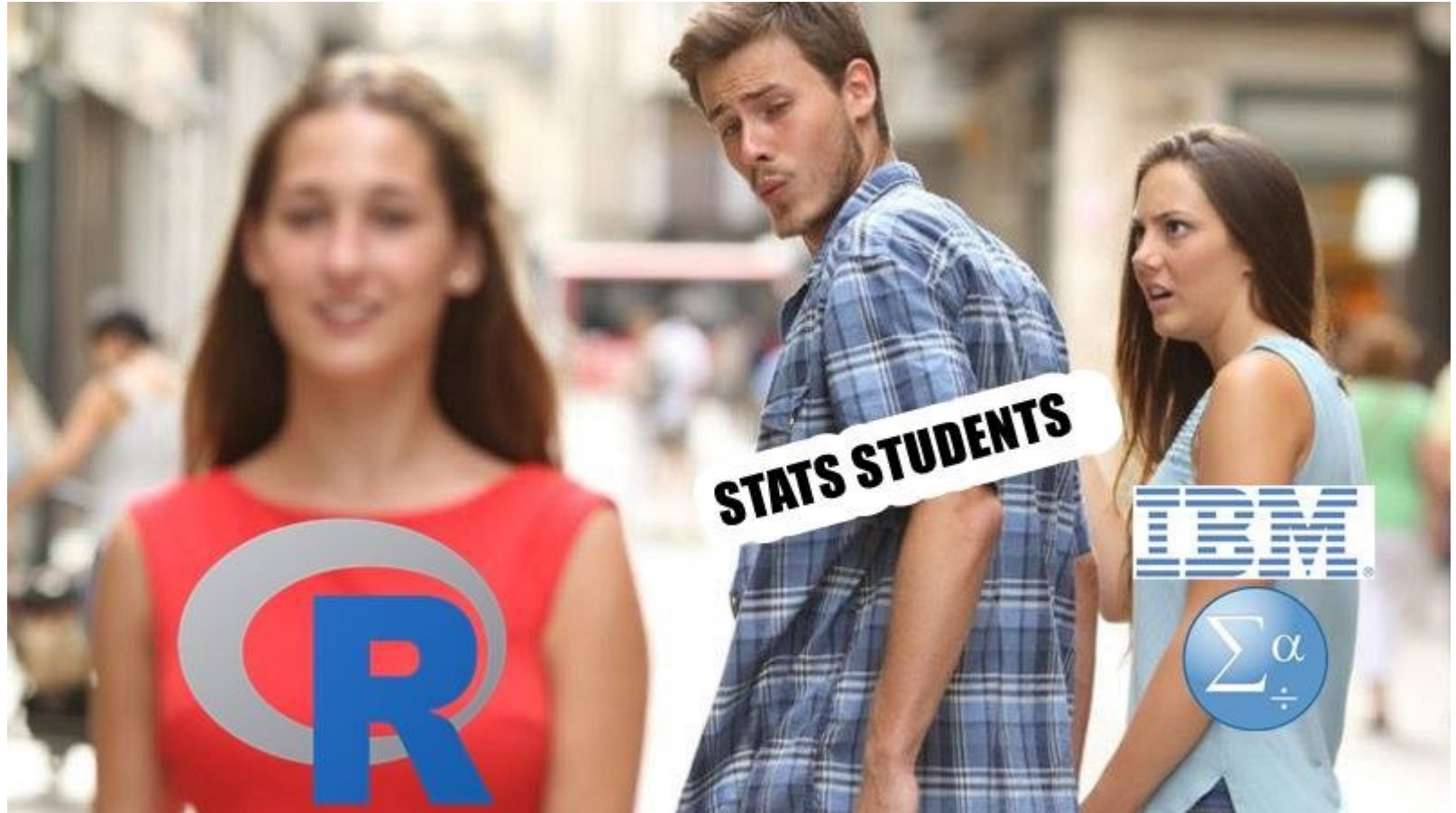- Data Management and Descriptive Statistics

Schedule Breakdown

Day 1 (Nov 20th, 2020)	Day 2 (Dec 4th, 2020)
Intro to R	Correlational Analyses and Regression
Coding Basics	Group Differences (t-tests, ANOVA, and ANCOVA)
Data Management	Advanced Statistics (LMM, SEM, Meta-Analysis)
Descriptive Statistics	Data Visualization

Why Should You Use R?

- Flexibility

- Cost

- Data Visualization

- Job Applications

- Consistently Updated

- Open Science

R Language: Skill Levels
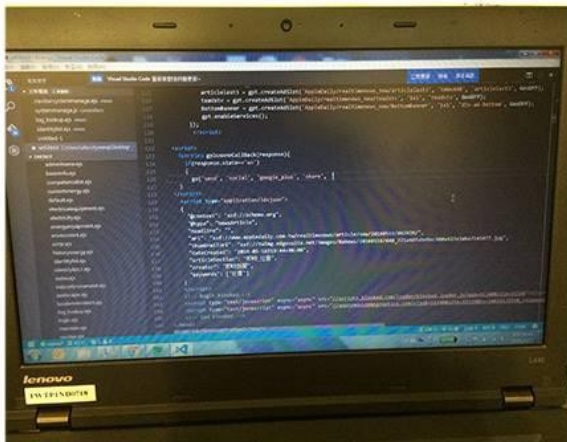

Beginner (USA)

R Language: Skill Levels

Intermediate (England)
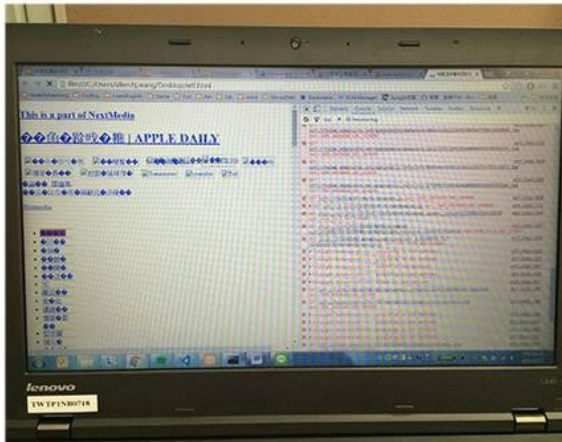
R Language: Skill Levels

Championship Calibre (France)
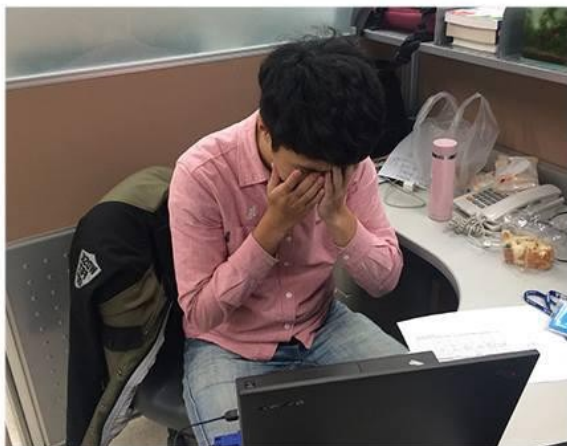
How to do coding

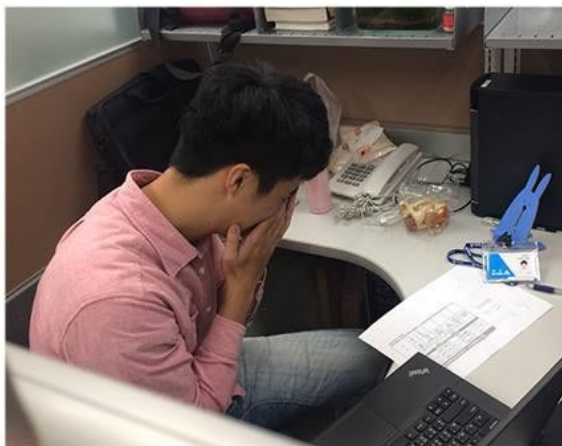
You write some code
in the editor
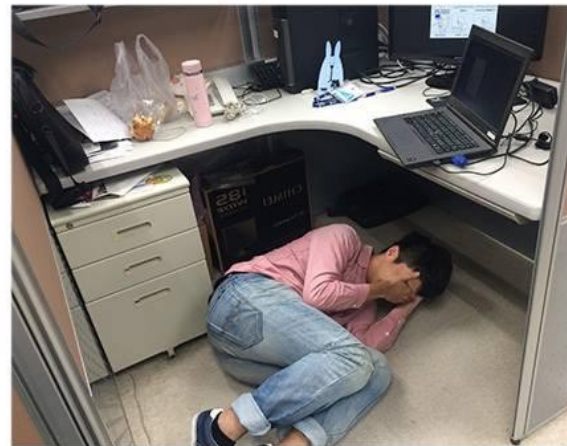
Then you try executing it.

Fuck! You messed it all up, just
like everything else you do.

Your code is exactly
like your life.

A lot of bugs, unreadable...

... and no one loves you.

Regardless of your skill level…

- Google is your best friend!

- Save your code!

- Clunky code that works is always better than sophisticated code which doesn't work

- Don't worry, you will get better with time and practice ☺

Today's remaining agenda

- Getting started

- Data management

- Descriptive statistics