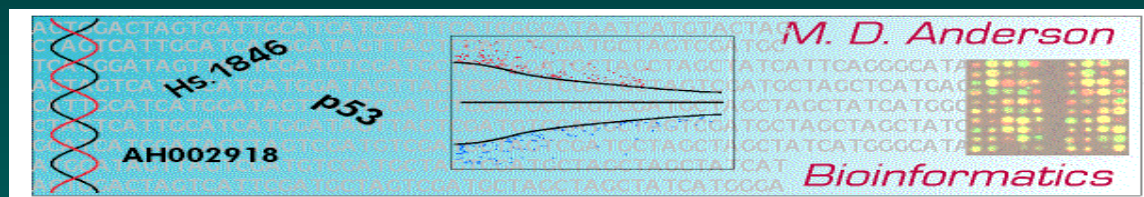


# SISBID RR Module Wrapup

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## Miscellaneous Things

(Include Paul Goldberg 60 Min Clip Here)

Stuff We Wish We Could've Done

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# Makefiles

Why are they cool?

- They let us script project flow and file dependencies

Why didn't we cover them?

- Arcane syntax, installation issues

Where would we point you to?

[Karl Broman's Make Tutorial](#)

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## R CMD BATCH –args

Why is it cool?

- Scripting lets you run everything in background
- Increases the odds you've got *everything* reproducible from the outset

Why didn't we cover it?

- a bit geek-heavy

Where would we point you to?

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# Directory Structures

Why are they cool?

- They help you organize files and project flow from the outset

Why didn't we cover them?

- Not sure, really
- We did a bit, in discussing R Packages

Where would we point you to?

- Jeff Leek's Data Science Course (and SISBID Module 1)
  - Karl Broman's RR Course
  - Christopher Gandrud's Description
-

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# Coding Conventions

Why are they cool?

- They help you keep things consistent between team members
- They make code easier to read, and more likely to be used

Why didn't we cover them?

- Not sure, really

Where would we point you to?

- Hadley's recommendations
  - Google's recommendations
-

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# Knitr Bootstrap

Why is it cool?

- Allows for generation of slicker reports
- Toggling of code display friendlier to target audience

Why didn't we cover them?

- Too geek specific at present

Where would we point you to?

- CRAN, vignettes
-

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# Knitr Citations

Why is it cool?

- Allows for generation of slicker reports, automates reference assembly from the web

Why didn't we cover it?

- Too geek specific

Where would we point you to?

- CRAN, vignettes
-



# Shiny!

Why is it cool?

- Interactive pictures have pizzazz

Why didn't we cover it?

- Tangential to RR per se?

Where would we point you to?

- Rstudio's intro page
- SISBID Module 2

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# GitHub Pages

Why are they cool?

- They provide nicer interfaces to your content

Why didn't we cover them?

- Tangential to RR per se?

Where would we point you to?

- The GitHub Pages help files
-

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## Report Templates

Why are they cool?

- They can systematize the use of “good practices” early in analyses

Why didn't we cover them?

- Well, we sort of did - in Roger's “Prevention” presentation

Where would we point you to?

- We'll have to get back to you, unfortunately
  - Report Before/After Rogues Gallery
-

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## Stuff We'd Do Differently (1)

Plan for More Live Demos from the Outset

- Why?

Different modes of learning

Wide variety of audience backgrounds

- Why didn't we do it this time?

Live improvisation in response to feedback

Link to Roger's Observation re Notation and Performance

- Could this be more effective in smaller chunks done in tag team fashion?

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## Stuff We'd Do Differently (2)

Have People Work In Teams Throughout

Supply Pointers re Git/GitHub Installation Earlier

Send Around a More Detailed Syllabus Earlier

Ask About References Supplied, Readings Suggested

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## Stuff We'd Do the Same

Topic Coverage (Largely)

Split Emphasis Between Awareness and Tools

Split Some Topic Discussion/Demos Between Instructors

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## Feedback We'd Like From You (1)

(you may want to write this down)

What motivated us to teach this course?

What would we see as a positive outcome?

Given this motivation, are we doing things right?

Brief intro, redux

What motivated you to take this course?

Were There Specific Modules You Found Really Useful/Really Useless?

Points You'd Like Us to Expand On?

Were there points you were hoping we'd cover that we didn't?

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## Feedback We'd Like From You (2)

Do you have examples/anecdotes you think we might be able to use that you'd be willing to share?

Were there ways we could've used time more effectively?

Were there ways we could've used our TAs more effectively?

Can you see things you learned in this course changing how you do things day to day?

- Why or why not?
- Can we ask you again in 6 months?
- Can we ask you again in a year?

Could you write this down now? (anonymous is fine)

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## Some Things We're Thinking About

Posting raw data

Git isn't great for binary blobs (docx files)

Power dynamics / tensions in implementing RR

Other examples of using RR

More exciting applications in oncology

immunotherapy

essential genes

collateral lethality