8 October 2014

TO: RSessions File
FROM: Al Cooper
SUBJECT: Plan for future sessions

Suggested Topics

1. Intro: Overview of RStudio; details of configuration

2. The data.frame

3. Some R basics: objects, vector operations, indices, statistics, input/output

4. Ranadu

5. Graphics (base and ggplot2)

6. Constructing 'literate' programs that mix text and analysis code

7. Fit Procedures (linear and non-linear)

8. Specific applications to RAF topics (spread also through the preceding sections)

Books that would be useful:

Reproducible Research with R and RStudio, Christopher Gandrud

R for Everyone: Advanced Analytics and Graphics, Jared Lander

Dynamic Documents with R and knitr, Yihui Xie

ggplot2: Elegant Graphics for Data Analysis, Hadley Wickham

Advanced R, Hadley Wickham

Introduction to Scientific Programming and Simulation Using R, second edition, Owen Jones et al.

Programming Graphical User Interfaces in R, Michael Lawrence and John Verzani

R Graphics, Paul Murrell

Displaying Time Series, Spatial, and Space-Time Data With R, Oscar Lamigueiro

– End of Memo –

Reproducibility:

PROJECT:	XXX
ARCHIVE PACKAGE:	XXX.zip
CONTAINS:	attachment list below
PROGRAM:	/h/eol/cooperw/RStudio/XXX
ORIGINAL DATA:	/scr/raf_data/XXX
GIT:	

Attachments: ProgramFile
                 Document.pdf
                 XXX.Rdata.gz