Tools for Reproducible Research
Week 1 Homework

1. Visit the following doodle poll and indicate your preferred times for office hours.

   bit.ly/BromanSpring2015OfficeHours

2. Install a bunch of software on your laptop.

   (a) Windows

   - R
   - Rtools (includes make)
   - RStudio
   - Git Bash
   - An editor, such as Notepad++
   - Pandoc
   - MikTeX (for LaTeX); add it to your PATH (for example, see this page).

   (b) Mac

   - R
   - RStudio
   - Xcode command line tools (see this page)
   - git (via Homebrew: brew install git)
   - Perhaps iTerm2
   - An editor, such as Sublime Text
   - Pandoc (via Homebrew: brew install pandoc)
   - MacTeX or BasicTex (for LaTeX)

3. Download the course repository.

   (a) Open a terminal window.

   (b) Type git clone git://github.com/kbroman/Tools4RR

4. Try out GNU Make.

   (a) Change to the Lec 1 examples directory:
       cd Tools4RR/01_Intro/Examples

   (b) Create a subdirectory for the figures:
       mkdir Figs

   (c) Use make to create Figs/fig1.pdf:
       make Figs/fig1.pdf

   (d) Make the whole paper:
       make

   (e) Use the Makefile_fancy file to remove all the pdfs:
       make -f Makefile_fancy clean