Tools for Reproducible Research
Week 1 Homework

0. Install a bunch of software on your laptop.

   (a) Windows
       - R
       - Rtools
       - RStudio
       - Git Bash
       - An editor, such as Notepad++
       - 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 (or via Homebrew: `brew install git`)
       - Perhaps iTerm2
       - MacTeX (for LaTeX)

1. Visit the following doodle poll and indicate your preferred times for office hours.
   `bit.ly/BromanSpring2015OfficeHours`

2. Download the course repository.

   (a) Open a terminal window.
   (b) Type `git clone git://github.com/kbroman/Tools4RR`

3. 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`