

Thanks to Meeting Sponsor:



Agenda

Announcements

Google Apps & R
Aaron Clark

Last 10 mins to discuss future topics, presenters, venues, and meetings!

Announcements

Upcoming Conferences/Talks with R Topics

New York R Conference: Apr 21 - 22

New York City, New York http://www.rstats.nyc/

PharmaSUG: May 13 - 17

Baltimore, Maryland www.pharmasug.org
Deadline is April 13th for early bird registration!

R/Finance: May 19 - 20

Chicago, Illinois

http://www.rinfinance.com/

ROpenSci Unconference May 25 - 26

Los Angeles, CA

http://unconf17.ropensci.org/









Announcements

New Local R Jobs or Working Remote Opportunities

Posted since our last meeting... via r-users.com & Indeed.com

Freelance	R and Shiny Application Dev and Support Zenith Media – Posted by <u>Timmwardion</u>	Melbourne Victoria, Australia	5 Apr 2017
Full-Time	Technical Support Engineer at RStudio RStudio – Posted by agadrow	Anywhere	28 Mar 2017

Advanced Analytics Analyst - new

Steelcase - *** 282 reviews - Grand Rapids, MI 49508

Expertise in building customized code in SAS, R, Python, Perl, SPSS, or other data science and predictive analytics languages....

Easily apply

12 days ago - save job - more...

Consulting Analyst - Advanced Analytics - new

Steelcase - *** 282 reviews - Grand Rapids, MI 49508

This includes coaching, mentoring analysts on design and development of analytical solutions using cutting edge technologies for Big Data such as Hadoop & Spark...

Easily apply

12 days ago - save job - more...

Senior Data Analytics Analyst - new

Spectrum Health - ***** 497 reviews - Grand Rapids, MI

Collects and analyzes environmental data (competitive, market and consumer) and consolidates information into actionable items, reports and presentations

3 days ago - save job - more...

Call for Presenters!

Lightning Talks

- 10 minutes with 5 minutes for questions
- Short informal topic oriented talks, a couple of slides and/or a demonstration.
- Examples: show off that great new package or code snippet you found (or developed yourself).
- Students! These are a great way to add a bullet point to your resume. The format is essentially the same as conference contributed talks, but we're a LOT less intimidating
- Earn Microsoft R Swag



Call for Presenters!

R Use-cases

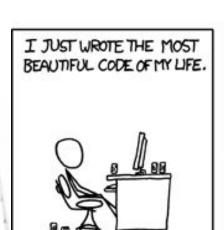
- 30 50 minutes with time for questions
- Longer, going into more depth and are more workflow-oriented.
- Examples: walk us through a recent project or statistical method in R.
- Of course, Earn Microsoft R Swag



1st Talk

Google Apps & R

-Aaron Clark

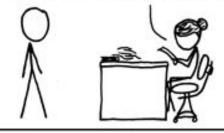


THEY CASUALLY HANDED ME AN IMPOSSIBLE PROBLEM. IN 48 HOURS AND 200 LINES, I SOLVED IT.



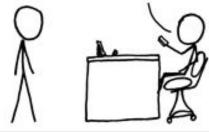
ACADEMIA:

MY GOD ... THIS WILL MEAN A HALF-DOZEN PAPERS, A THESIS OR TWO, AND A PARAGRAPH IN EVERY TEXTBOOK ON QUEUING THEORY!



BUSINESS:

YOU GOT THE PROGRAM TO STOP JAMMING UP? GREAT. WHILE YOU'RE FIXING STUFF, CAN YOU GET OUTLOOK TO SYNC WITH OUR NEW PHONES?



The Problem:

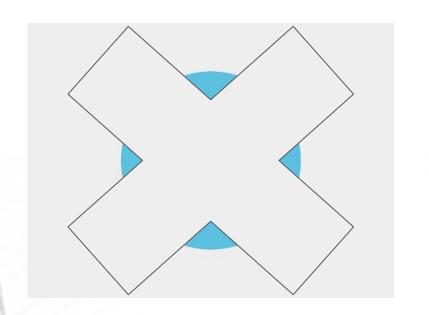
"We need a 'more fair' way of distributing extra shifts"

Constraints:

- Fair
- Easy for physicians
- Easy for schedulers
- Free



First thought:





Has to be accessible outside the network!

Multi-Step Process to Achieve Goal Defined







2. Link form to Google Sheets, collecting data in real time



3. Use "googlesheets" r package to slurp data into R



4. Create Shiny App for Schedulers to View Responses and Assign Physicians to Shifts

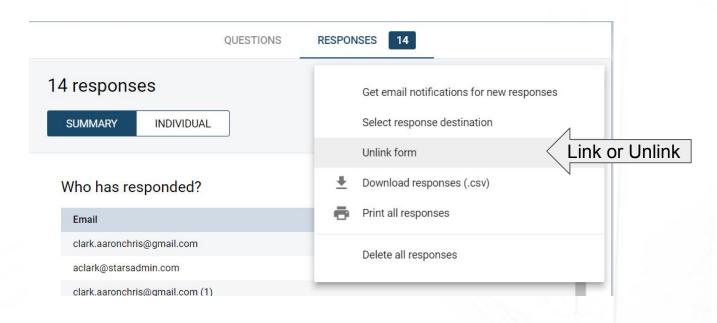


5. Save every change or edit by physician or Scheduler for audit trail

The Google Form... Live <u>Demo</u>

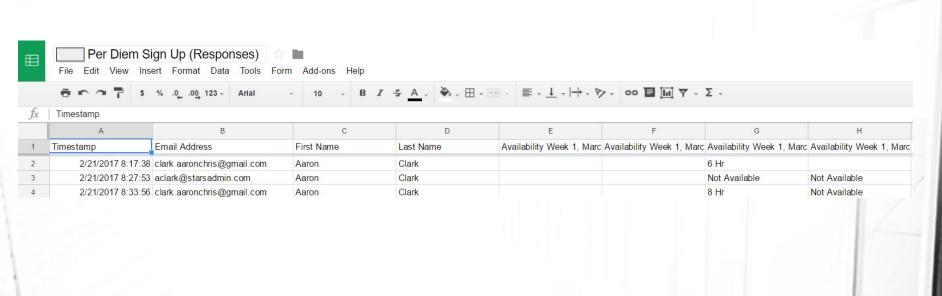
Email addres	ss *							
Your email								
First Name *								
Your answer								
Last Name *								
Your answer								
Tell Us Your Availability								
Availability V			ailable to work fo	or the dates b	elow?			
	8 Hr	6 Hr	4 Hr	2 Hr	Not Available			
Mon, Feb 27	0	0	0	0	0			
Tues, Feb 28	0	0	0	0	0			
Wed, Mar 1	0	0	0	0	0			
Thurs Mar 2	\circ	\circ	\circ	\circ	\circ			

Link Google Forms to a Google Sheet



You must have responses to do this!

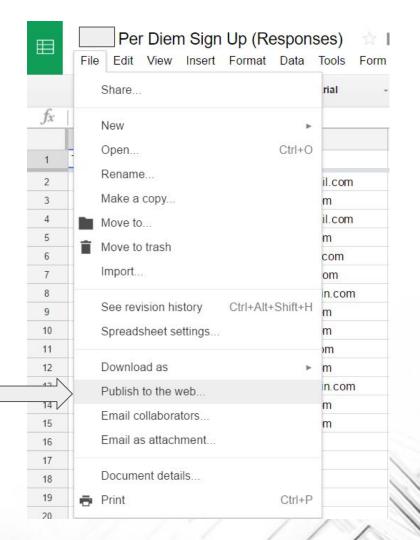
Sheet Preview... Live Demo



Publish Your Sheet

Why? Because R needs to access it!

How? Like this...



"googlesheets" R Package

Author: Jenny Byran Employer: RStudio

Frequent Conference Speaker

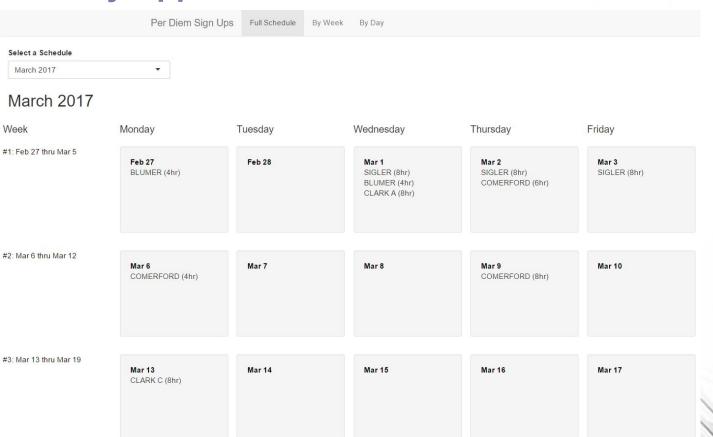
For more info and tutorials on getting started with googlesheets:

https://github.com/jennybc/googlesheets

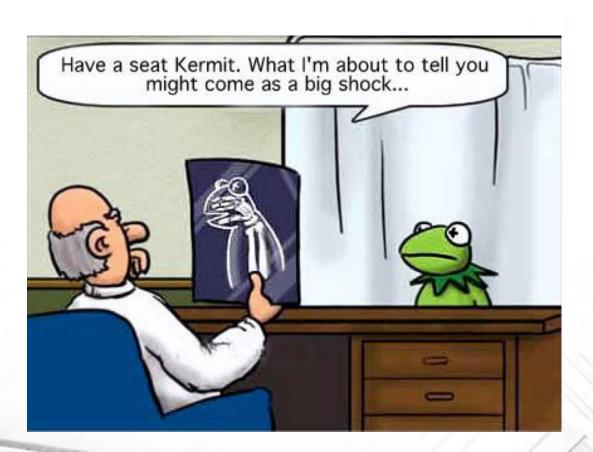
Demo in R



The Shiny App... Live Demo



Questions?



Next Meetup

Tuesday, May 16th at a TBD Location

Topic: TBD



Discuss...
future topics, presenters, venues, and meetings!

Meeting Materials (slides/ code) will be available here:

https://github.com/WestMichiganRUserGroup/Meeting-Materials