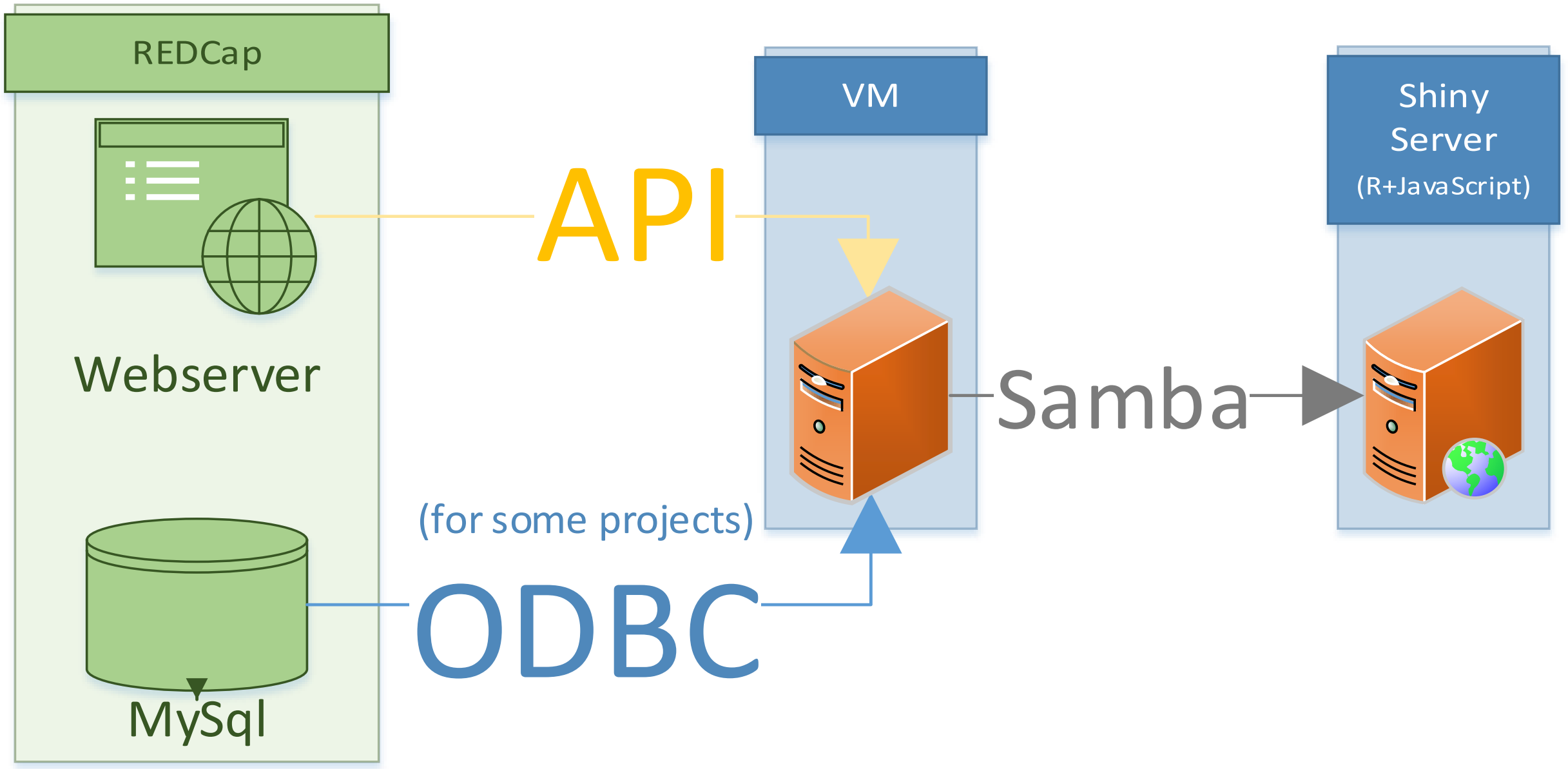
Interactive reports and webpages with R & Shiny

OUHSC Statistical Computing User Group

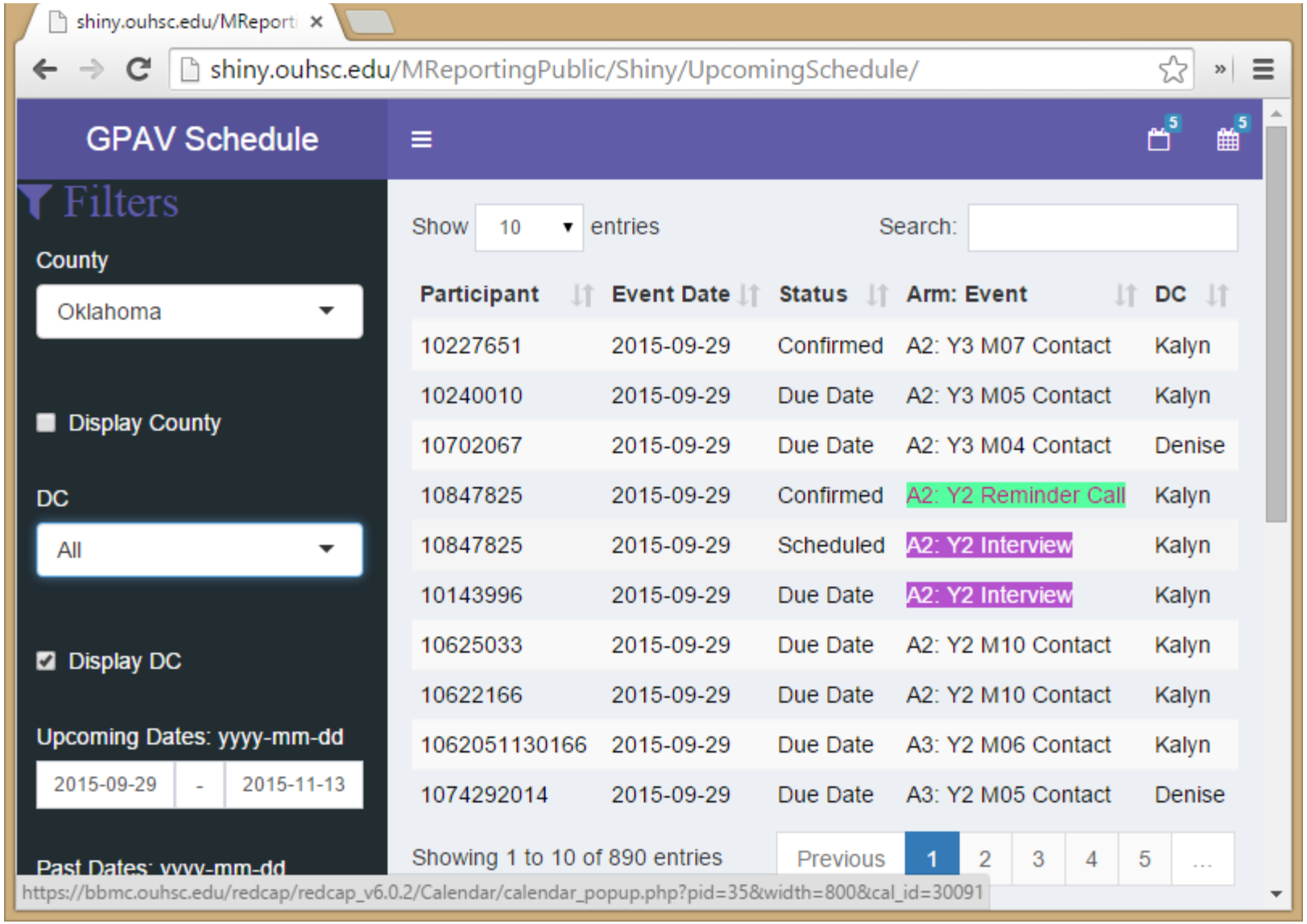
October 6 2015

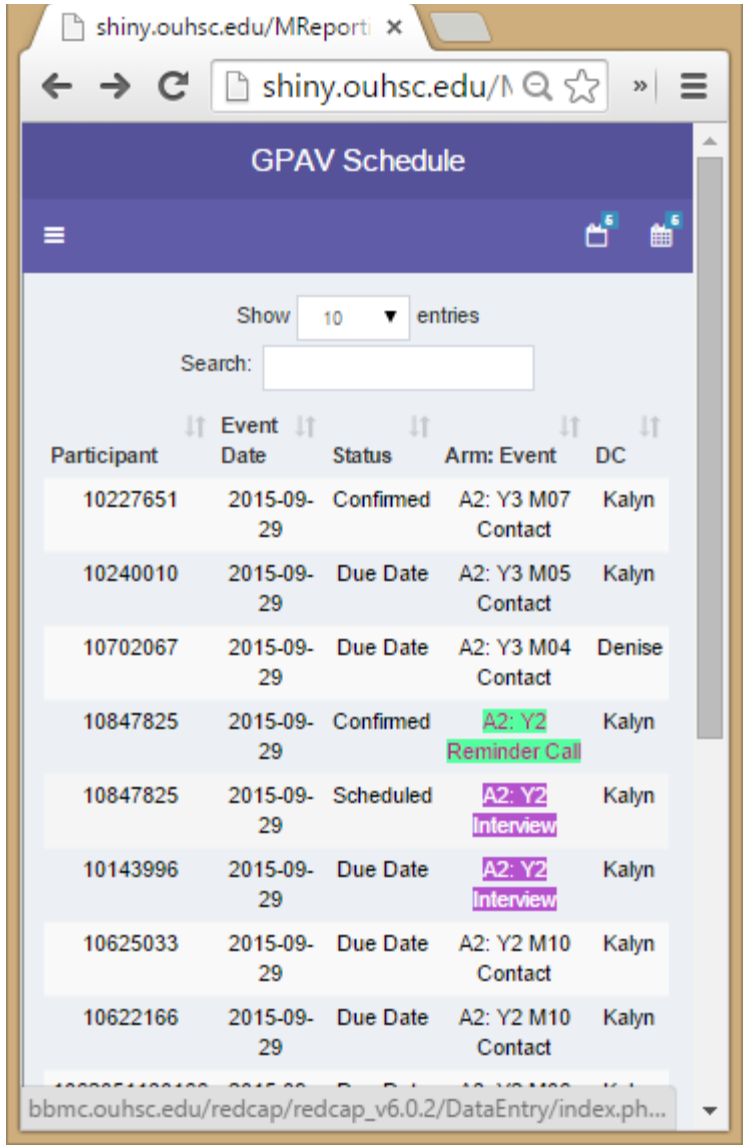
Will Beasley

Flow from Databases to Shiny Report



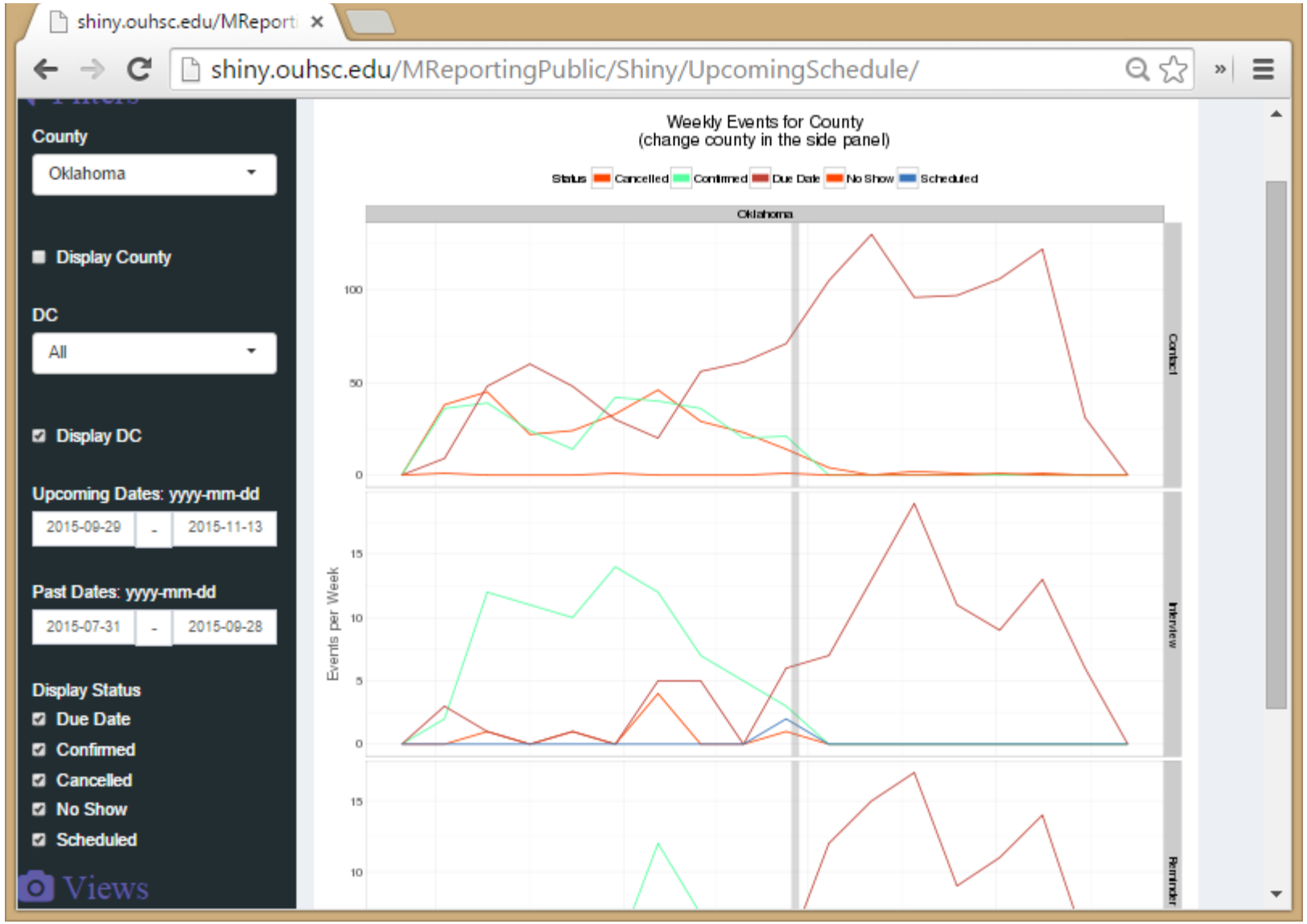
Searchable & Hyperlinked Scheduling App

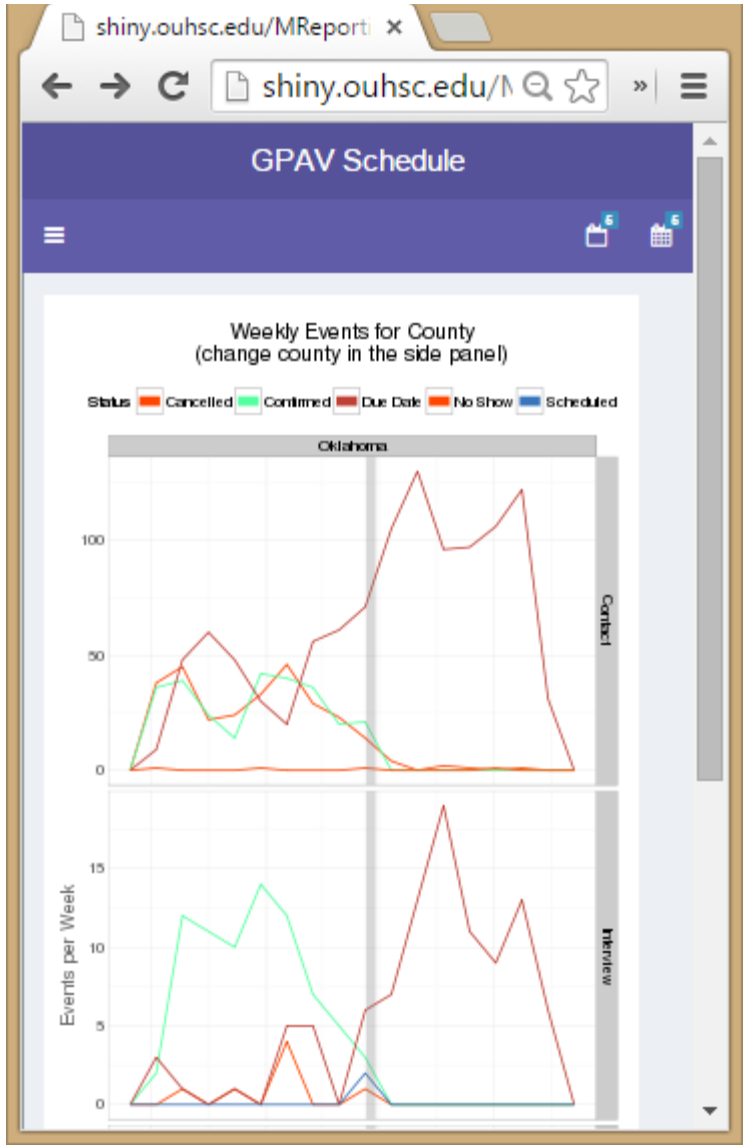




http://shiny.ouhsc.edu/MReportingPublic/Shiny/UpcomingSchedule/

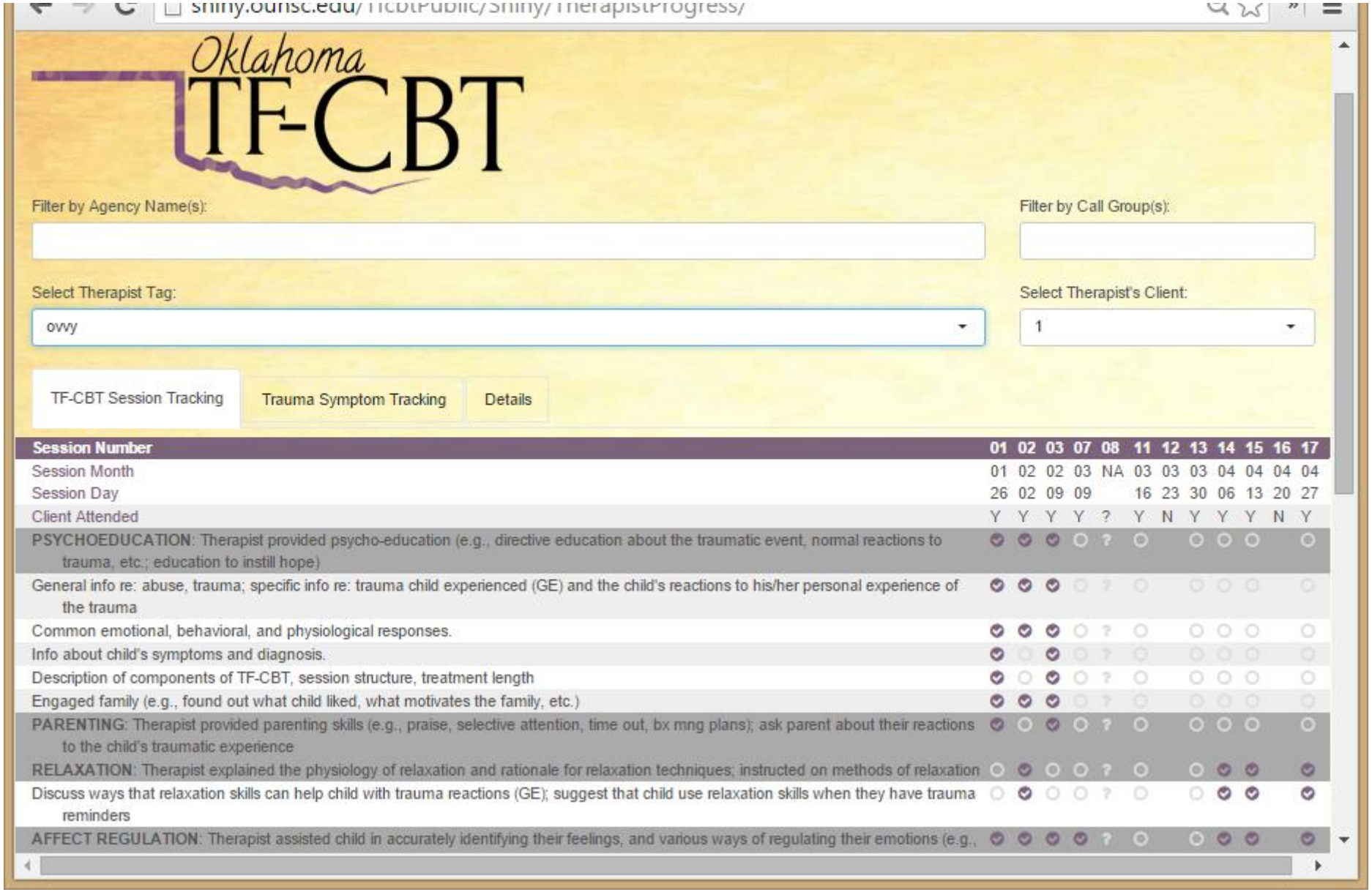
Resize Logic Leverages Bootstrap Library





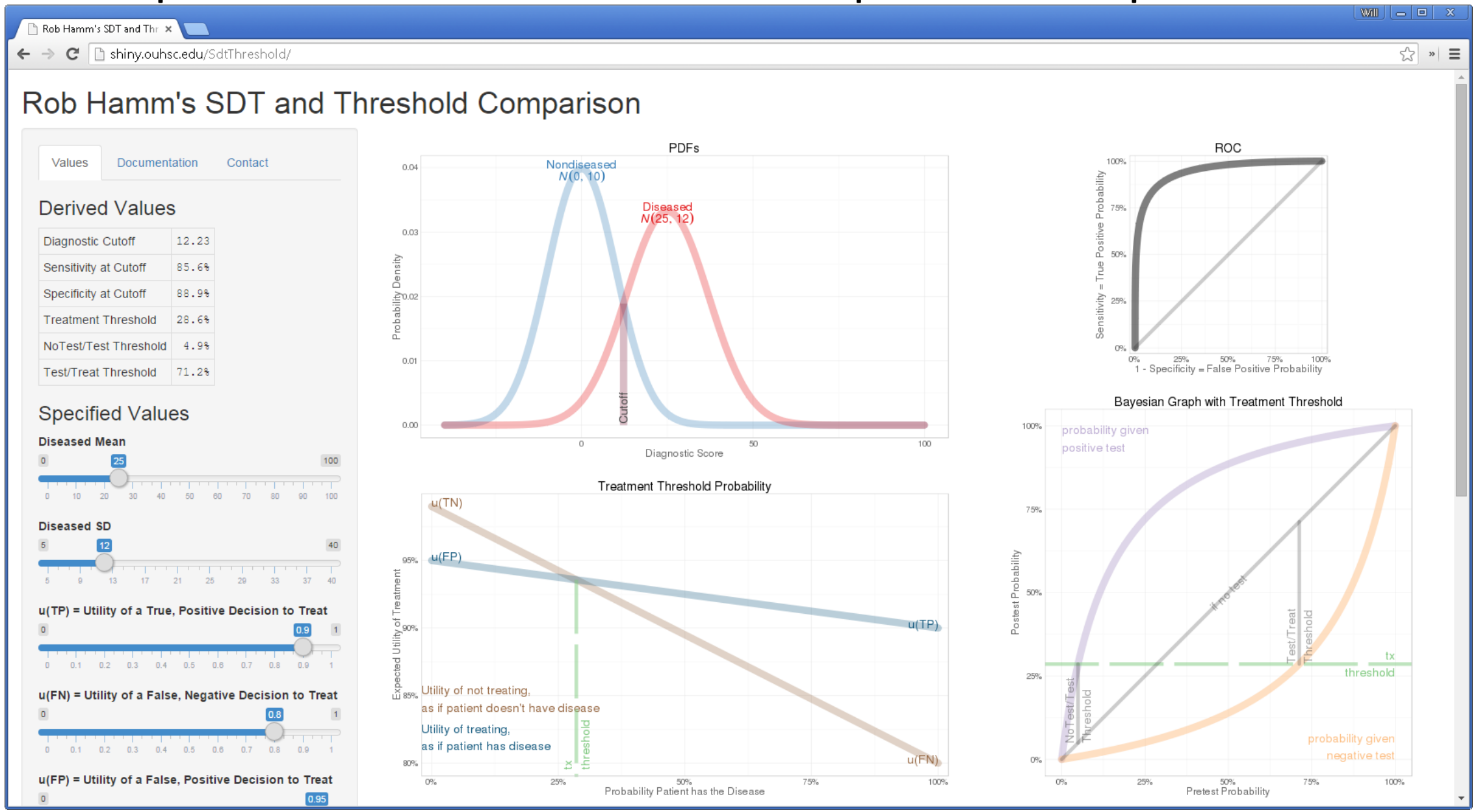
http://shiny.ouhsc.edu/MReportingPublic/Shiny/UpcomingSchedule/

Get Cutesy with HTML5, JavaScript, & CSS



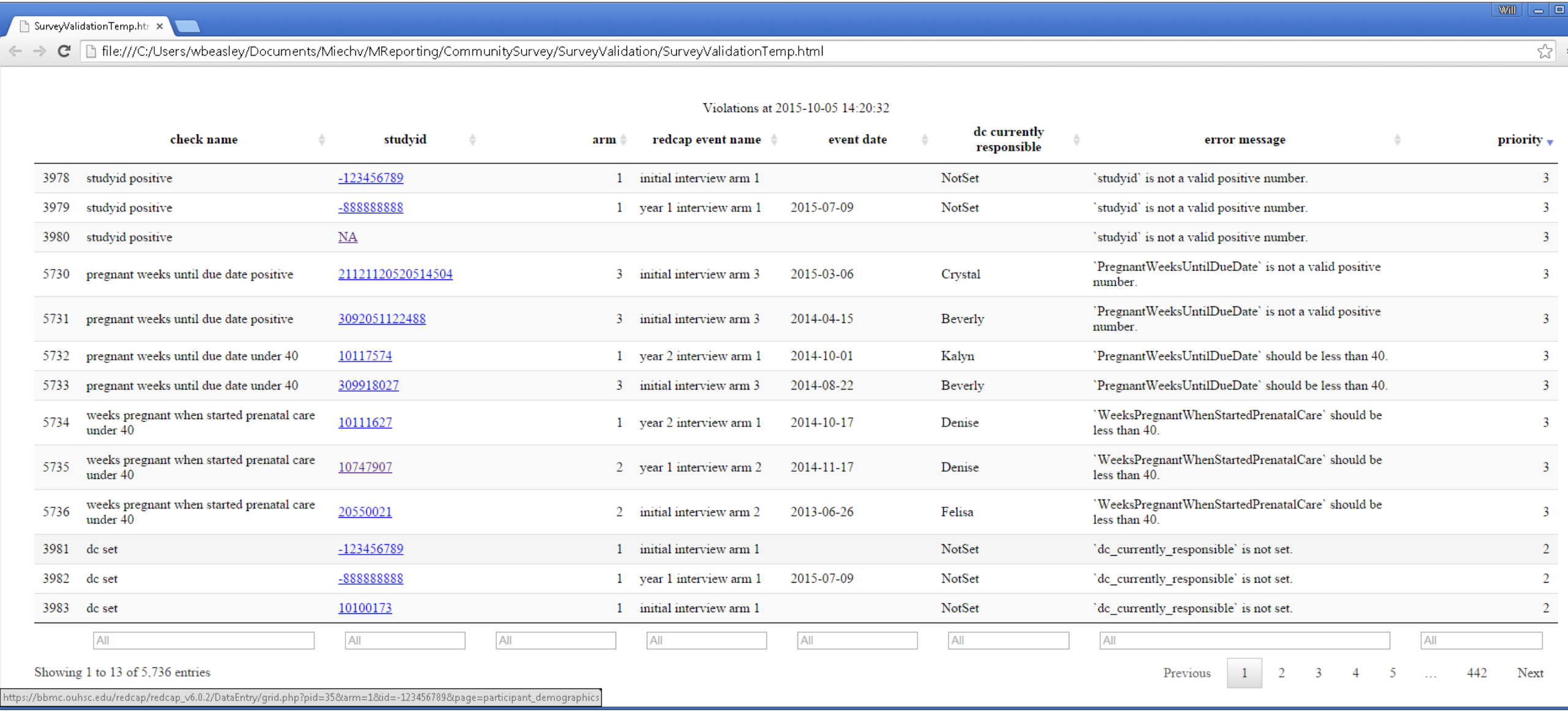
http://shiny.ouhsc.edu/TfcbtPublic/Shiny/TherapistProgress/

Exploit R Statistical & Graphical Capabilities



http://shiny.ouhsc.edu/SdtThreshold/

Validate Data after Collection, but before Analysis


SurveyValidationTemp.htr

file:///C:/Users/wbeasley/Documents/Miechv/MReporting/CommunitySurvey/SurveyValidation/SurveyValidationTemp.html

Violations at 2015-10-05 14:20:32

	check name	studyid	arm	redcap event name	event date	dc currently responsible	error message	priority
3978	studyid positive	-123456789	1	initial interview arm 1		NotSet	`studyid` is not a valid positive number.	3
3979	studyid positive	-888888888	1	year 1 interview arm 1	2015-07-09	NotSet	`studyid` is not a valid positive number.	3
3980	studyid positive	NA					`studyid` is not a valid positive number.	3
5730	pregnant weeks until due date positive	21121120520514504	3	initial interview arm 3	2015-03-06	Crystal	`PregnantWeeksUntilDueDate` is not a valid positive number.	3
5731	pregnant weeks until due date positive	3092051122488	3	initial interview arm 3	2014-04-15	Beverly	`PregnantWeeksUntilDueDate` is not a valid positive number.	3
5732	pregnant weeks until due date under 40	10117574	1	year 2 interview arm 1	2014-10-01	Kalyn	`PregnantWeeksUntilDueDate` should be less than 40.	3
5733	pregnant weeks until due date under 40	309918027	3	initial interview arm 3	2014-08-22	Beverly	`PregnantWeeksUntilDueDate` should be less than 40.	3
5734	weeks pregnant when started prenatal care under 40	10111627	1	year 2 interview arm 1	2014-10-17	Denise	`WeeksPregnantWhenStartedPrenatalCare` should be less than 40.	3
5735	weeks pregnant when started prenatal care under 40	10747907	2	year 1 interview arm 2	2014-11-17	Denise	`WeeksPregnantWhenStartedPrenatalCare` should be less than 40.	3
5736	weeks pregnant when started prenatal care under 40	20550021	2	initial interview arm 2	2013-06-26	Felisa	`WeeksPregnantWhenStartedPrenatalCare` should be less than 40.	3
3981	dc set	-123456789	1	initial interview arm 1		NotSet	`dc_currently_responsible` is not set.	2
3982	dc set	-888888888	1	year 1 interview arm 1	2015-07-09	NotSet	`dc_currently_responsible` is not set.	2
3983	dc set	10100173	1	initial interview arm 1		NotSet	`dc_currently_responsible` is not set.	2

Showing 1 to 13 of 5,736 entries

Previous 1 2 3 4 5 … 442 Next

https://bbmc.ouhsc.edu/redcap/redcap_v6.0.2/DataEntry/grid.php?pid=35&arm=1&id=-123456789&page=participant_demographics

(Internal Report, but easily convertible to Shiny)