

Labnanny



Keep your research life tidy



Lab Management for Data Sharing

- ▶ Labs do similar things
- ▶ In different ways
- ▶ This complicates data sharing
- ▶ Can we simplify?



Who's Your Lab Nanny?



Labnanny



Keep your research life tidy



Labs Do Similar Things

- ▶ Recruit, train staff/students
- ▶ Recruit participants
- ▶ Test participants
- ▶ Code, transform, analyze, visualize data
- ▶ Manage formal relationships (IRB, Databrary)
- ▶ Present, publish, share work



Labs Do Similar Things in Different Ways

- ▶ Different tools for same functions
- ▶ Different participant code conventions
- ▶ Different file naming conventions
- ▶ Different folder/directory structures, server systems, etc.



“I am not disorganized — I know exactly where everything is! The newer stuff is on top and the older stuff is on the bottom.”

Name	Date Modified	Size	Kind
▶ equipment	Today 3:40 PM	--	Folder
▶ grants	Today 3:37 PM	--	Folder
▶ irb	Today 3:54 PM	--	Folder
▶ people	Today 3:40 PM	--	Folder
▼ projects	Today 3:42 PM	--	Folder
▶ continuum-project	Today 3:41 PM	--	Folder
▶ databrary-project	Today 3:41 PM	--	Folder
▶ design-visualization-project	Today 3:41 PM	--	Folder
▶ fncp	Today 3:41 PM	--	Folder
▶ optic-flow-project	Today 3:40 PM	--	Folder
▶ peep	Today 3:41 PM	--	Folder
▼ symmetry-project	Today 3:43 PM	--	Folder
▼ behavior-mturk-study-01	Today 3:57 PM	--	Folder
▼ analyses	Today 3:49 PM	--	Folder
sym_plot.R	May 29, 2012 2:10 PM	268 bytes	Rez Source
sym_work_120106.R	Oct 6, 2012 7:41 AM	2 KB	Rez Source
▼ data	Today 3:48 PM	--	Folder
behavior-mturk.csv	May 29, 2012 4:08 PM	12 KB	comm...values
▶ displays	Today 3:44 PM	--	Folder
▶ grants	Today 3:57 PM	--	Folder
▼ irb	Today 3:54 PM	--	Folder
>>90210-even-better-study	Today 3:54 PM	--	Folder
▼ participants	Today 3:54 PM	--	Folder
symm-mturk-particip.csv	Today 3:54 PM	--	comm...values
▼ pubs	Today 3:54 PM	--	Folder
jov-manuscript	Today 3:54 PM	--	Folder
sfn-12-neworleans-poster	Today 3:54 PM	--	Folder
▼ staff	Today 3:54 PM	--	Folder
curly	Today 3:54 PM	--	Folder
larry	Today 3:54 PM	--	Folder
moe	Today 3:54 PM	--	Folder
▶ fmri-wallpaper-study-01	Today 3:54 PM	--	Folder
▶ talks	Today 3:54 PM	--	Folder





Project/Study Management

- ▶ Participant lists, ID codes
- ▶ Test session logs (who consented Ss, who ran various procedures)
- ▶ Permissions granted
- ▶ Coding (who coded what when)
- ▶ Other data provenance



Publication/Presentation Management

- ▶ Where is that freaking figure?
- ▶ Where is that video clip?
- ▶ Where is my display code, sample image, analysis script, etc.?



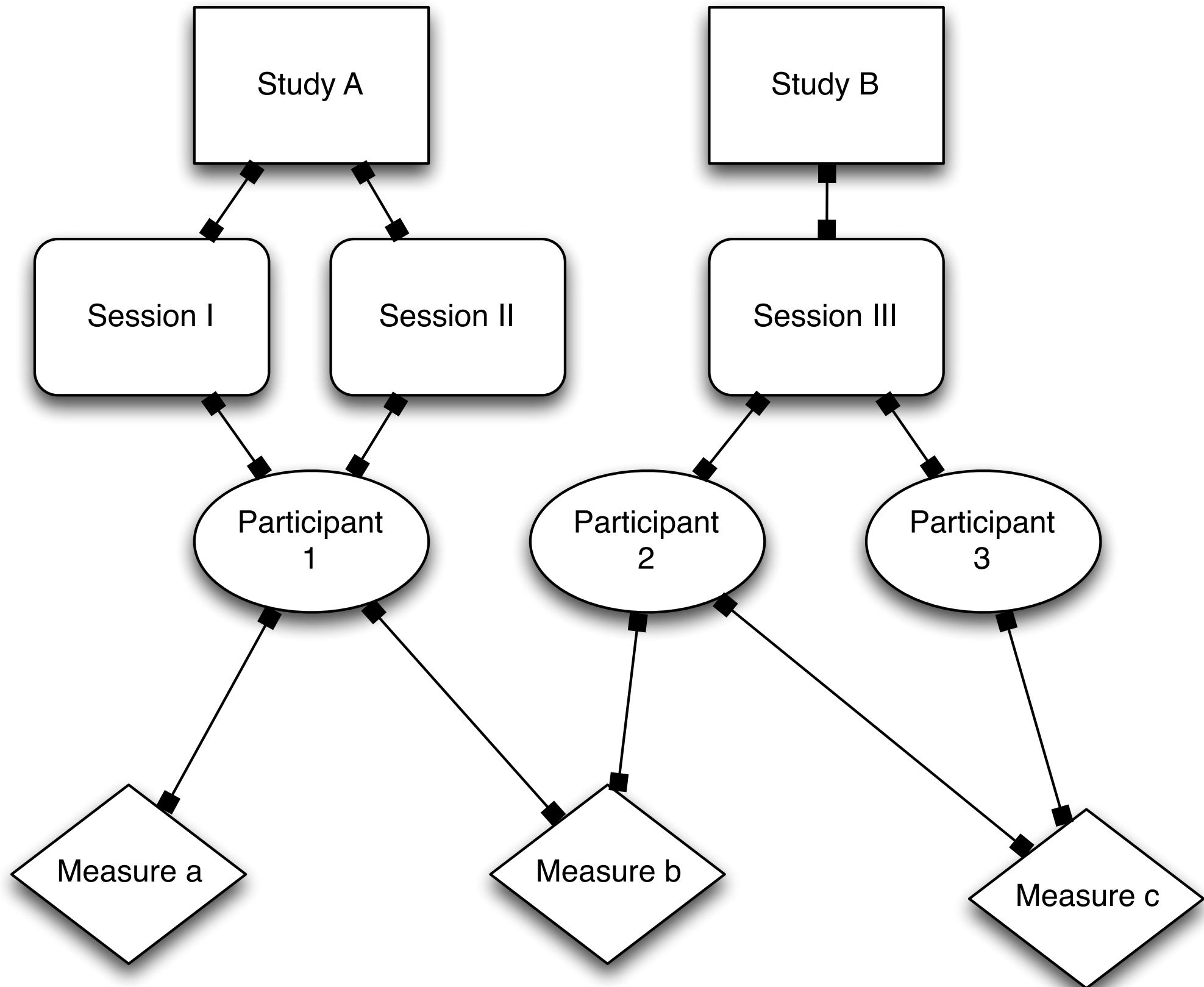
Participant Recruitment

- ▶ Importing lists
- ▶ Managing mailings, calls
- ▶ Appointment scheduling
- ▶ Participant code generation



Challenges in Designing Labnanny

- ▶ Flexibility vs. rigidity
- ▶ Desktop vs. web
- ▶ Many to many mappings between components and uses





Next Steps for Labnanny

- ▶ Develop user stories
- ▶ Evaluate best practices
 - Organized labs vs. not-so organized
 - Data management best practices at ICIS, SRCDD, CDS



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OSF launches public beta!

Open Science Framework Demonstration



Open Science Framework launches public beta!

The Open Science Framework (OSF) is an infrastructure for documenting, archiving, logging, sharing, and registering scientific projects. Tools are being designed to integrate open practices with a scientist's daily workflow rather than appending them ex post facto. The OSF is a member project of and the infrastructure that supports the Open Science Collaboration (OSC)—an open collaboration of scientists. The overall goal of both the OSF and OSC is to increase the impact of research by promoting open values and scientific practices.

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Open Discussion

