

# Registration, Pre-Analysis Plans and Reporting Guidelines

Introduction, Hands-on with the Open Science Framework (OSF) and AEA Registry

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Slides at <https://goo.gl/VbiKb4>

Inter-American Development Bank Workshop, March 2018

Little experiment [10mins]

Registration: [40 mins]

# Why Register? Publication Bias

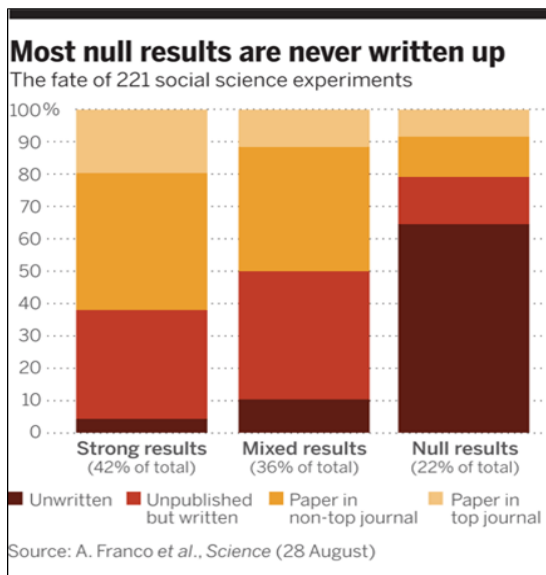


Figure 1:

# Hands-on Registration.

Based on a project of your own, or on our little experiment:

- ▶ Create a draft of a AEA Registry (emph IRB)
- ▶ Explore OSF:
  - ▶ AsPredicted
  - ▶ Open format

# Registration of our Little Experiment [THIS SLIDE WILL ONLY BE AVAILABLE AFTER THE WORKSHOP]

Using Aspredicted format:

- **Research question:** Does exposure to a large number increases the offer made in the ultimatum game?
- **Dependent variable:** Amount offered in the ultimatum game.
- **Manipulation/Conditions:** Participant will be randomly assigned a large number ([960, 999]) or a small number ([10, 49]) to be read and remember, before reading the ultimatum game question.
- **Analyses:** OLS regression of amount offer as dependant variable and treatment as regressor.
- **Outliers and Exclusions:** Will exclude participants with missing information in any field. Amounts beyond plausible values (eg offers above max dollar value) will be will be top-coded.
- **Sample size:** We will define our sample by the number of participants in the workshop.

Pre-analysis Plan. [20mins]

# Why Do We Need PAPs?

Outcome variable	(1) Mean for controls	(2) Treatment effect
Panel A: GoBifo “weakened” institutions		
Attended meeting to decide what to do with the tarp	0.81	-0.04 <sup>+</sup>
Everybody had equal say in deciding how to use the tarp	0.51	-0.11 <sup>+</sup>
Community used the tarp (verified by physical assessment)	0.90	-0.08 <sup>+</sup>
Community can show research team the tarp	0.84	-0.12 <sup>*</sup>
Respondent would like to be a member of the VDC	0.36	-0.04 <sup>*</sup>
Respondent voted in the local government election (2008)	0.85	-0.04 <sup>*</sup>
Panel B: GoBifo “strengthened” institutions		
Community teachers have been trained	0.47	0.12 <sup>+</sup>
Respondent is a member of a women’s group	0.24	0.06 <sup>**</sup>
Someone took minutes at the most recent community meeting	0.30	0.14 <sup>*</sup>
Building materials stored in a public place when not in use	0.13	0.25 <sup>*</sup>
Chieftdom official did not have the most influence over tarp use	0.54	0.06 <sup>*</sup>
Respondent agrees with “Responsible young people can be good leaders” and not “Only older people are mature enough to be leaders”	0.76	0.04 <sup>*</sup>
Correctly able to name the year of the next general elections	0.19	0.04 <sup>*</sup>

Figure 2:



## Why Do We Need PAPs? (cont)

- ▶ Increases replicability
- ▶

# How to do a PAP?

Mckenzie bullet point

# How to do a PAP?

- ▶ Pre-reg Challenge (emph IRB)
- ▶ RR at JDE

## Reporting Guidelines [20mins]

# Why Do We Need Reporting Guidelines?

Defines minimal set of elements required in a scientific paper. Helps with:

- Structured PAPs
- Replicability
- Meta-analysis

# How to follow Reporting Guidelines

- ▶ CONSORT Guidelines & EQUATOR network.
- ▶ Recent APA guidelines.
- ▶ JDE suggested guidelines for register reports.

# CONSORT diagram of our little experiment

