

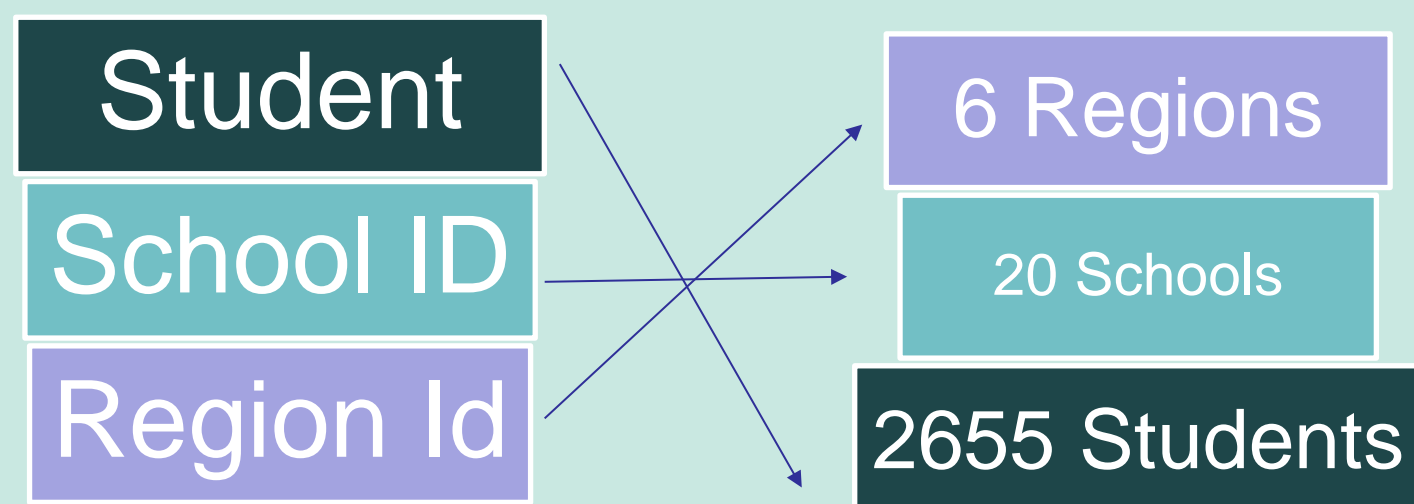
A Radical Approach to Social Intervention with Evaluation

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Radical Statistics Conference 2025 – Manchester
Metropolitan University

Problem: Four Challenges

- 1) List the Various Stakeholders
- 2) Multilevel Power Analysis → Sampling Problems



It is also hard to link the Phase 1 ID number with the questionnaire of Phase 2

Figure 1: Unmatched Phase 2 Students (see Kim, 2023)

SchoolID	NameSch	Class	Child Name	Child ID	Match
7	Ave-Afiadr	JHS 3	Issaka Sul	114	unmatche
7	Ave-Afiadr	JHS 3	Oforu Cas	28	unmatche
7	Ave-Afiadr	JHS 3	Gasu Beai	245	matched
7	Ave-Afiadr	JHS 2	Duho Chri	37	unmatche
7	Ave-Afiadr	JHS 3	Adjei Rose	38	unmatche
7	Ave-Afiadr	JHS 2	Adjei Zimi	244	matched
7	Ave-Afiadr	JHS 3	Millicent E	40	unmatche
7	Ave-Afiadr	JHS 2	Adama En	41	unmatche
7	Ave-Afiadr	JHS 3	Adama En	42	matched
7	Ave-Afiadr	JHS 3	Adama En	43	unmatche
7	Ave-Afiadr	JHS 3	Bernice N	247	matched
7	Ave-Afiadr	JHS 3	LOGOSU F	238	matched
7	Ave-Afiadr	JHS 3	Koufie Ebe	250	matched
7	Ave-Afiadr	JHS 3	Tamekloe	248	matched
7	Ave-Afiadr	JHS 3	Mary Tam	49	unmatche
7	Ave-Afiadr	JHS 3	Awuku Fel	204	matched
7	Ave-Afiadr	JHS 3	Lebi Alber	199	matched

3) Gender of the Interviewers!

Ethics

→ The safety and training of interviewers; → accuracy and completeness of responses

...difficult to know which respondent is a boy in advance
...costly to match gender of interviewer and students

3	1	Saraswati group	D Bhagyamma	D Ramanjulu	SC	1-8
1	1	Saraswati group	T Guramma	Venkatappa	SC	1-17
2	1	Saraswati group	T Lakshmmamma	Ramanna	SC	1-19
3	1	Saraswati group	D Anjamma	D Anamappa	SC	1-84
7	1	Saraswati group	Anjamma	Ananappa	SC	
3	1	Saraswati group	B Chowdamma	Bairappa	SC	1-80
3	1	Saraswati group	D Subbamma	Anjappa	SC	1-27
0	1	Saraswati group	K Chowdamma	Narappa	SC	
1	1	Saraswati group	K Munemma	Ramanjulu	SC	1-74
2	2	Lakshmi	R Sarojamma	Nagireddy	OC	1-58
3	2	Lakshmi	M Unadevi	Radeppareddy	OC	1-47
4	2	Lakshmi	R Kantamma	Sankar reddy	OC	1-58
5	2	Lakshmi	K Venkatamma	Venkatramireddy	OC	1-43
6	2	Lakshmi	R Sulochanamma	Venkatramanareddy	OC	1-60
7	2	Lakshmi	G Seetamma	Agastigowdu	BC	1-44
8	2	Lakshmi	R Ratnamma	Venkatramanareddy	OC	1-118
9	2	Lakshmi	T Nagarathna	Venkatramana	SC	
0	2	Lakshmi	R Bhagyamma	Venkatareddy	OC	1-123
1	2	Lakshmi	R Javasadha	Brahmanamareddy	OC	1-122

Fig. 2 Missing data at Level 1
(An Indian example is shown. Level 1 individuals are grouped in Level 2 loaner-groups, but some addresses are missing from bank records)

4) What's the Intervention?!

... from 6 to 25 different activities

➤ Who gets it?

The treated group gets all 25 events over 2 years.

➤ Why others don't get it?

The control group gets 6 of the events. Who decides which 6 they do get?

Justice!
Fairness!
Engagement!

PRACTICAL PROBLEM: Multilevel Case ID Numbers

Fig. 3: Clustered Sampling Prep; Level 2 Populations Shown

SchoolID	NumofCl asses	NumBoys	NumGirl s	NumToile ts
1	3	52	42	10
2	3	26	20	4
3	3	24	19	10
4	3	47	37	6
5	3	11	18	0
6	3	25	21	8
7	3	23	34	0
8	3	17	17	2
9	5	122	88	6
10	5	74	69	11
11	0	18	27	6
12	3	41	32	4
13	3	22	12	6
14	0	22	28	7
15	4	57	34	0
16	3	18	13	4
17	3	23	28	4
18	3	24	18	0
19	3	19	15	0
20	22	932	932	16

Solution: Mixed-Methods Teams, Working Collectively

International development can use stakeholder co-researching, not just RCT treatment models.

Using Texts and Numbers (eg Focus Groups)

Mixed-methods projects are a useful part of your career.

Avoid a fetish of 'control versus intervention' groups.

Keep attention on engaged learning.

Further Reading

This poster has a GITHUB
<https://github.com/WendyOlsen/HelpRCTwithMixedMethods>

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