Al for the Most Vulnerable

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MAGIC BOX



MAGIC BOX



hum. / dev. sectors







important problems

little data

private sector



not-so important problems

lots of data

MAGIC BOX



big data platform

hum. / dev. sectors







important problems

little data

private sector MAGIC hum./dev. sectors



not-so important problems

lots of data



big data platform







important problems little data

larger ecosystem







venture fund

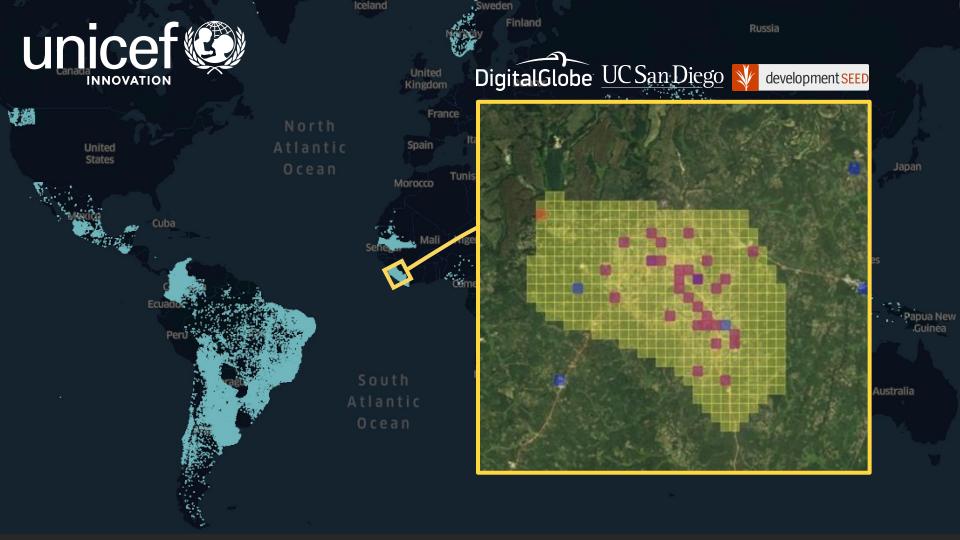


\$100k equity free investment

two examples



Iceland





current approach

	HOUSEHOLD MEN	HOUSEHOLD MEMBERS GRID						
	01	02	03	04	05	06		
1.0								
1.1	1.	1	1	1	1	1		
	2	2	2	2	2	2		
1.2								
	YEAR	YEAR	YEAR	YEAR	YEAR	YEAR		
	MONTH	MONTH	MONTH	MONTH	MONTH	MONTH		
	-888	-888	-888	-888	-888	-888		
	-999	-999	-999	-999	-999	-999		
1.3	1 →1.4	1 →1.4	1 →1.4	1 →1.4	1 →1.4	1 →1.4		
	2 →NEXT PERSON	2 →NEXT PERSON	2 →NEXT PERSON	2 →NEXT PERSON	2 →NEXT PERSON	2 →NEXT PERSON		
1.4	YEAR	YEAR	YEAR	YEAR	YEAR	YEAR		
	MONTH	MONTH	MONTH	MONTH	MONTH	MONTH		
	-888	-888	-888	-888	-888	-888		
	-999	-999	-999	-999	-999	-999		
1.5	CODE	CODE	CODE	CODE	CODE	CODE		
1.6	1 →1.7	1 →1.7	1 →1.7	1 →1.7	1 →1.7	1 →1.7		
	2 →1.8	2 →1.8	2 →1.8	2 →1.8	2 →1.8	2 →1.8		
	3 →1.7	3 →1.7	3 →1.7	3 →1.7	3 →1.7	3 →1.7		
	4 →1.7	4 →1.7	4 →1.7	4 →1.7	4 →1.7	4 →1.7		
1.7	200 2000000	84 ROMEDSES	200 2000000		0.00 (0.00.000)	14 (15) (15) (15) (15) (15) (15) (15) (15)		
	 →1.9	→1.9	→1.9	→1.9	→ 1.9	→1.9		
	-888 →NEXT PERSON	-888 →NEXT PERSON	-888 →NEXT PERSON	-888 →NEXT PERSON	-888 →NEXT PERSON	-888 →NEXT PERSON		
	-999 →NEXT PERSON	-999 →NEXT PERSON	-999 →NEXT PERSON	-999 →NEXT PERSON	-999 →NEXT PERSON	-999 →NEXT PERSON		
1.8								
	 →1.9	 →1.9	 →1.9	 →1.9	 →1.9	 →1.9		
	-888 →NEXT PERSON	-888 →NEXT PERSON	-888 →NEXT PERSON	-888 →NEXT PERSON	-888 →NEXT PERSON	-888 →NEXT PERSON		

current approach 2

	-999 →NEXT					
	PERSON	PERSON	PERSON	PERSON	PERSON	PERSON
1.9	1 →1.10	1 →1.10	1 →1.10	1 →1.10	1 →1.10	1 →1.10
	2 →NEXT					
	PERSON	PERSON	PERSON	PERSON	PERSON	PERSON
1.10	ID	ID	ID	ID	ID	ID

07	08	09	10	11	12	
						1.0
1	1	1	1	1	1	1.1
2	2	2	2	2	2	
YEAR	YEAR	YEAR	YEAR	YEAR	YEAR	1.2
MONTH	MONTH	MONTH	MONTH	MONTH	MONTH	
-888	-888	-888	-888	-888	-888	
-999	-999	-999	-999	-999	-999	
1 →1.4	1 →1.4	1 →1.4	1 →1.4	1 →1.4	1 →1.4	1.3
2 →NEXT PERSON						
YEAR	YEAR	YEAR	YEAR	YEAR	YEAR	1.4
MONTH	MONTH	MONTH	MONTH	MONTH	MONTH	
-888	-888	-888	-888	-888	-888	
-999	-999	-999	-999	-999	-999	
CODE	CODE	CODE	CODE	CODE	CODE	1.5
1 →1.7	1 →1.7	1 →1.7	1 →1.7	1 →1.7	1 →1.7	1.6
2 →1.8	2 →1.8	2 →1.8	2 →1.8	2 →1.8	2 →1.8	
3 →1.7	3 →1.7	3 →1.7	3 →1.7	3 →1.7	3 →1.7	
4 →1.7	4 →1.7	4 →1.7	4 →1.7	4 →1.7	4 →1.7	
						1.7
 →1.9	 →1.9	 →1.9	 →1.9	 →1.9	 →1.9	
-888 →NEXT PERSON						
-999 →NEXT PERSON						

current approach ...

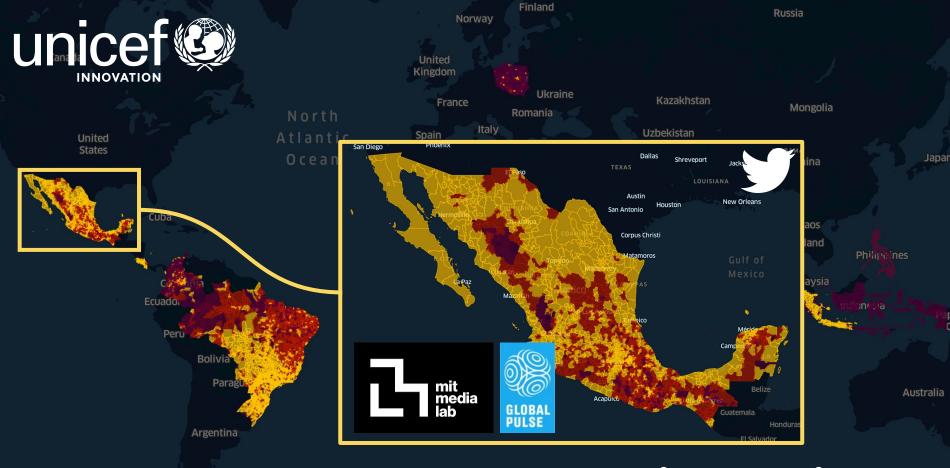
	SCRUTINY		
5.0	Was this questionnaire scrutinized?	YES	
5.1	DATE OF SCRUTINY		
5.2	SCRUTINIZED BY (MUST be different than Investigator code)		
	BACK TO FIELD		
6.0	Was this questionnaire sent back to field because of scrutiny or re-coding?	YES	
6.1	DATE OF SEND-BACK		
6.2	INTERVIEWER CODE		

current approach ...

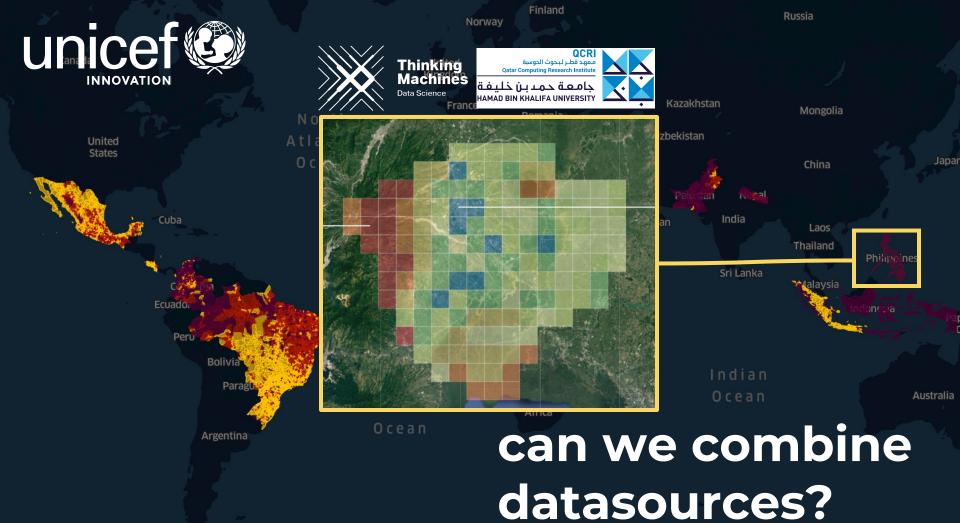


	SCRUTINY		
5.0	Was this questionnaire scrutinized?	YES	
5.1	DATE OF SCRUTINY		
5.2	SCRUTINIZED BY (MUST be different than Investigator code)		
	BACK TO FIELD		
6.0	Was this questionnaire sent back to field because of scrutiny or re-coding?	YES	
6.1	DATE OF SEND-BACK		
6.2	INTERVIEWER CODE		





can we use social media?



additional stuff we work on



migrations



crop mapping



population estimation



information poverty



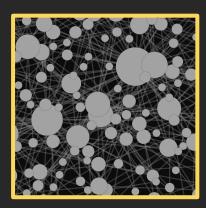
epidemics



informal settlements



natural disasters



algorithmic bias







































amadeus DigitalGlobe



facebook



but are in need of more friends



www.unicef.org/innovation/Magicbox www.unicef.org/innovation/venturefund