

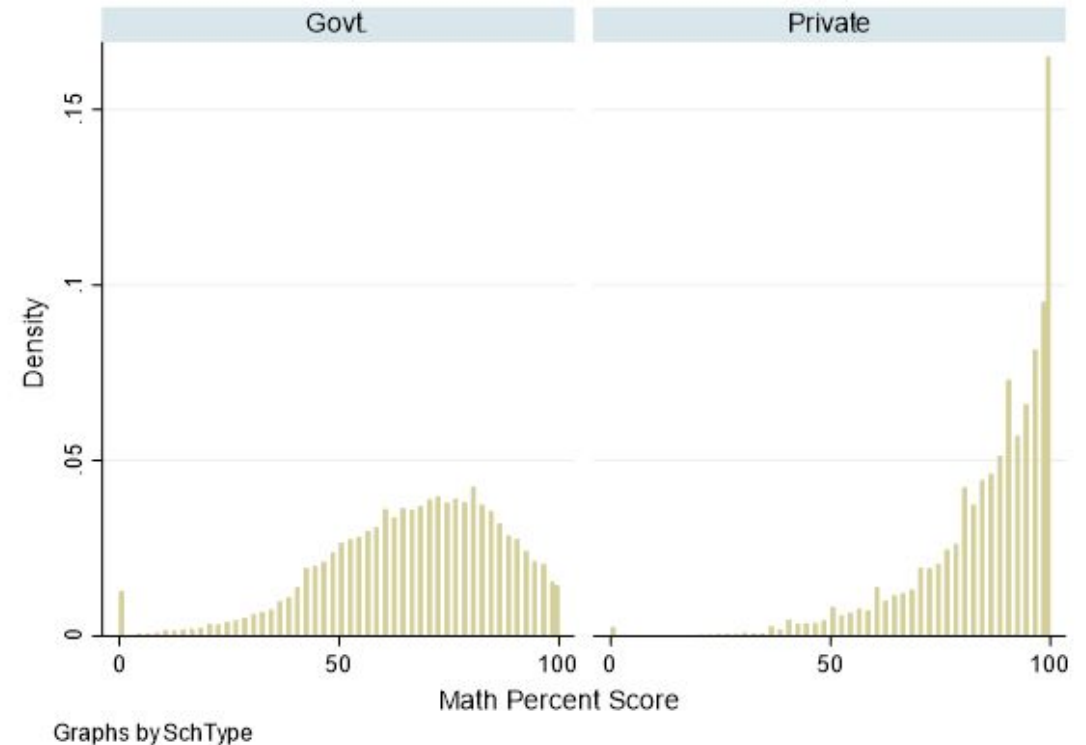
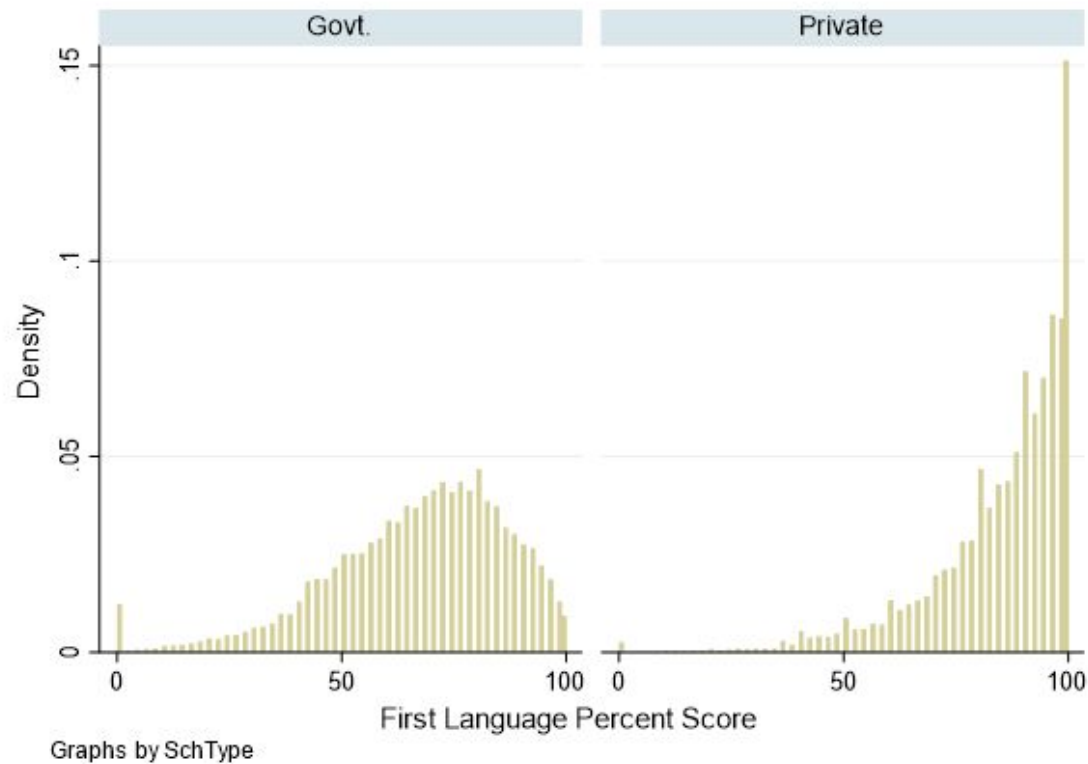


# Project: Prakasam School Surveys

Collecting Real Student Learning Data to Enrich Communities

Jan 21, 2019

# The SA-I 2016 AP data shows inflated scores across government and private schools in Grade 5



The graphs for EVS and English show a similar trend. All correlations are higher than 0.8.



## Tablet-based surveys can be reliable method to measure data quality

- Large Question Bank Jumbled and Scrambled to generate unique paper for each student.
- Timed test – Answers once submitted cannot be changed later to inflate scores
- Timestamp tracking – Know when each child is writing
- Less Manual Data Entry Burden on Teachers
- Exposure of children to 21<sup>st</sup> Century Skills



# Using Tablets to Measuring Learning Levels Data Quality Reliably

- Collaboration of Andhra Pradesh CSE, J-PAL, and Central Square Foundation.
- Compare Tablets-based vs Paper-based test for reliable measure of data quality.



versus



**But Also...At Scale**

## Demonstrating that tablets-based survey are possible at large scale and have superior data quality than papers survey.

- Prakasam District was chosen as the first district to conduct the tablets-based survey.



versus



**1694** schools to be assessed by tablets.

**768** schools to be assessed by pen and paper


- **Grade 4** students will be surveyed for English, Math and Telugu subjects with questions from Grade 1-4.
- The Math test will be bilingual (in both English and Telugu).
- The survey for each student will be run on an offline app on 3500 tablets.
- A pilot/dry run was conducted in Krishna district with 1000+ students.

# App-based survey

Remaining Time  
**00:19:37**  
Math (12 of 40 Question)

12 13 14 15 16 17 18 19 20 21 22

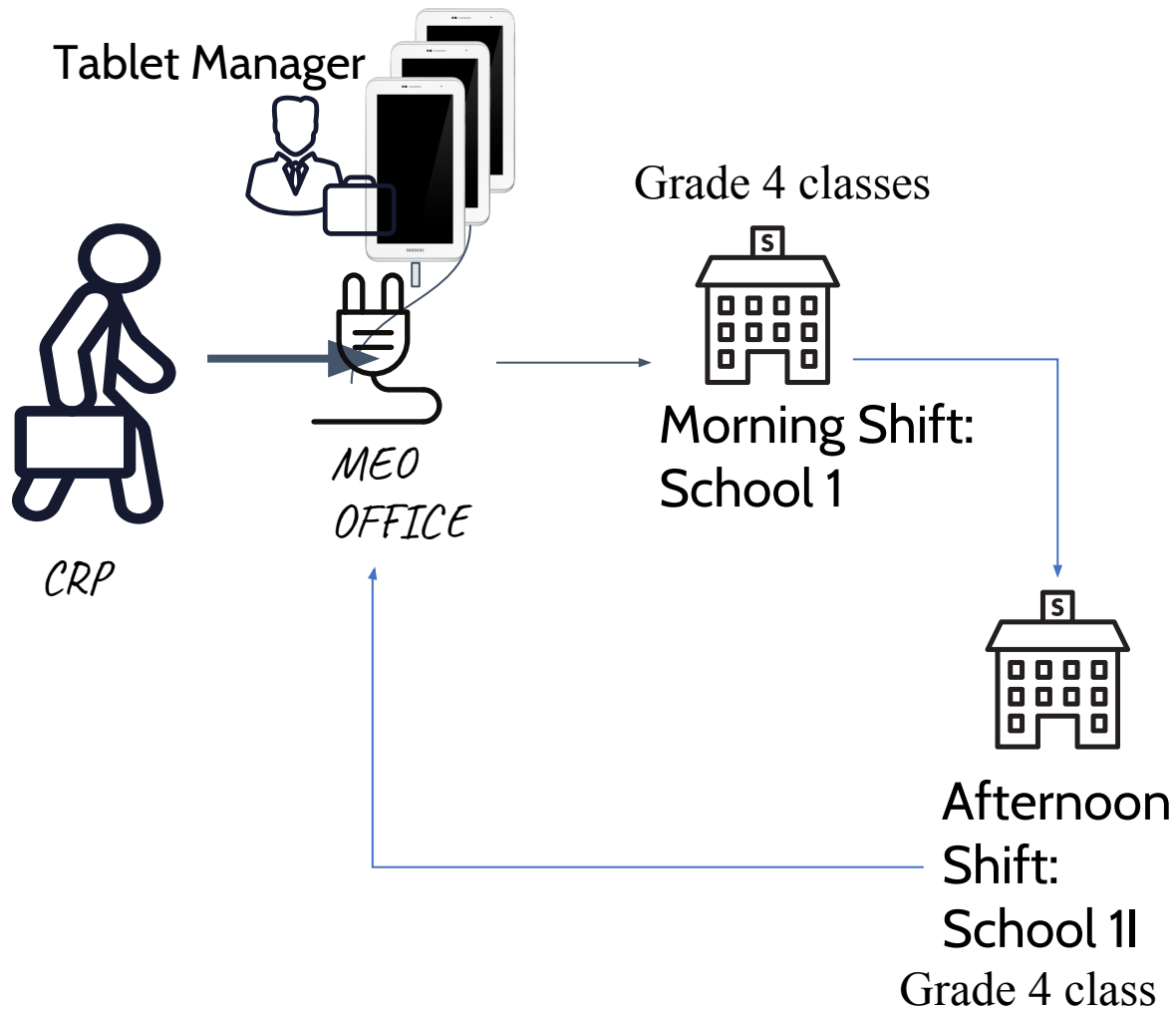
What could be the weight of the chair? కుర్చీ యొక్క బరువు ఎంత ఉండవచ్చు?



300 kg/300 కి. గ్రా  
 3 kg/3 కి. గ్రా  
 300 g/300 గ్రా  
 30 g/30 గ్రా

Previous Next

# Your MANDAL TEAM can make this possible!



## Sample Operational Model

- 100 tablets are transported to the MEO office at Addanki.
- **CRPs (Cluster Resource Persons)** collect these tablets every day and travel to schools they are assigned to survey them using an installed app.
- A **tablet manager (MIS coordinators or Data Entry Officers)** at the MEO office distributes tablets to each CRP each day.

# SURVEY SCHEDULE

Feb 3 - Feb 9	All Blocks receive allocated tablets and charging equipment from CSF.
Feb 11 - 15	Assessments start in 56 mandals on Feb 11; 25 mandals are finished by Feb 15
Feb 18 - 22	Assessments finish in 31 mandals
Feb 27	All Tablets and charging equipment collected from MEO Offices. Sealed paper-based surveys are dropped to MEO Offices.
Feb 28	Pen and Paper assessments conducted in 768 Prakasam schools.
March 4 - March 8	Retest in 150 schools to observe cheating

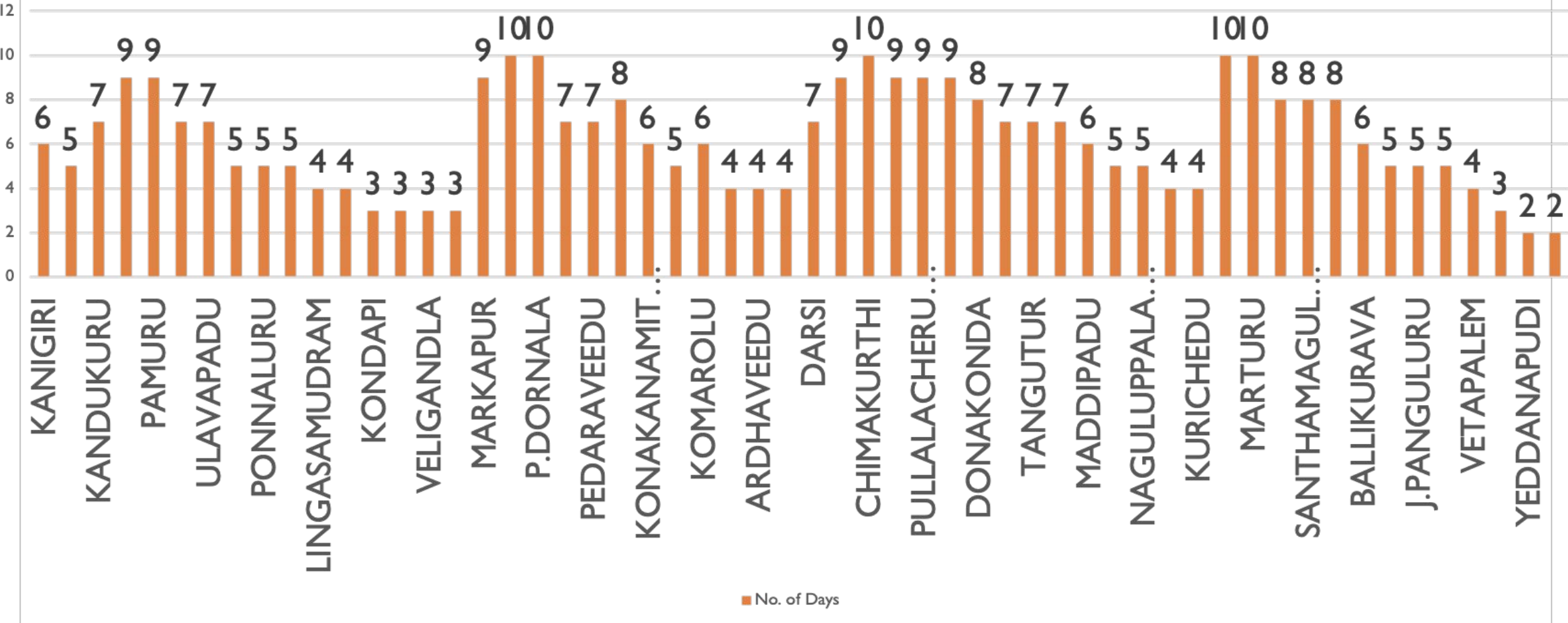


## 3500 Tablets Allocation in 56 Mandals

Mandals	Tablets	Total Tablets
50 smaller mandals	50 X 50	2500
KANIGIRI	200	1000
GUDLURU	200	
KANDUKURU	150	
MARKAPUR	150	
DARSI	200	
ADDANKI	100	
<b>TOTAL TABLETS</b>		<b>3500</b>

# BLOCKS' SURVEY DAYS

No. of Days



# Honorarium for your Support:

- CRPs and Tablet Managers - for every day you work, you will be awarded Rs. 300
- The amounts awarded will be calculated at the end of the session and transferred to your account.



## WhatsApp Groups - Join the group matching your training session.

Training Date	Group Name	Training Session	
Feb 5	Ongole Group 1	Morning	<a href="https://bit.ly/2HBAEYp">https://bit.ly/2HBAEYp</a>
Feb 5	Ongole Group 2	Afternoon	<a href="https://bit.ly/2HH4QBI">https://bit.ly/2HH4QBI</a>
Feb 6	Kandukur Group 1	Morning	<a href="https://bit.ly/2sVIEdB">https://bit.ly/2sVIEdB</a>
Feb 6	Kandukur Group 2	Afternoon	<a href="https://bit.ly/2DIATgk">https://bit.ly/2DIATgk</a>
Feb 7	Parchur Group 1	Morning	<a href="https://bit.ly/2sV0uws">https://bit.ly/2sV0uws</a>
Feb 7	Parchur Group 2	Afternoon	<a href="https://bit.ly/2TIV0q7">https://bit.ly/2TIV0q7</a>
Feb 8	Markapur Group 1	Morning	<a href="https://bit.ly/2S16Yc9">https://bit.ly/2S16Yc9</a>
Feb 8	Markapur Group 2	Afternoon	<a href="https://bit.ly/2FWkdnN">https://bit.ly/2FWkdnN</a>

## Check For Understanding

Which grades are we surveying?

Which subjects will be surveyed?

For how many days will the tablets-based survey happen?

How many blocks in Prakasam are getting surveyed?

How many schools are getting surveyed with Tablets?

How many schools are getting surveyed with Papers-based Tests?

How much honorarium per day will CRP receive? Tab Managers?

What will you do to claim honorarium?

Where will CRP go to get tablets everyday?

Will CRP take tablets home every evening?

Where will tablets get charged? Who will charge them?

How many have not joined WhatsApp Groups yet?