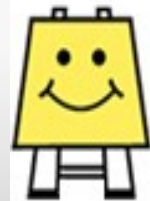


# Why Education Data Matters

Akshara Foundation



**Akshara Foundation**

Every child in school and learning well

# Inputs: Access

http://karnatakalearningpartnership.org/map.htm

**Learning Partnership**  
An Akshara Foundation and Sarva Shiksha Abhiyaan initiative

Home  
About Us  
About the Programme  
School Maps  
Stars of the KLP  
Notes from the Field  
Contact Us

The GIS map of Bangalore city is divided into nine Educational Blocks. As you zoom into a block, you will see smaller clusters of schools in an area. You can then focus on any school and get a realtime view of the school information and the performance as the children in the school go through the programme.

You can view the data at City level, Education Block level, cluster level or the individual school level.

Location Schools Admin Units

SearchLocation   i.e., Indiranagar

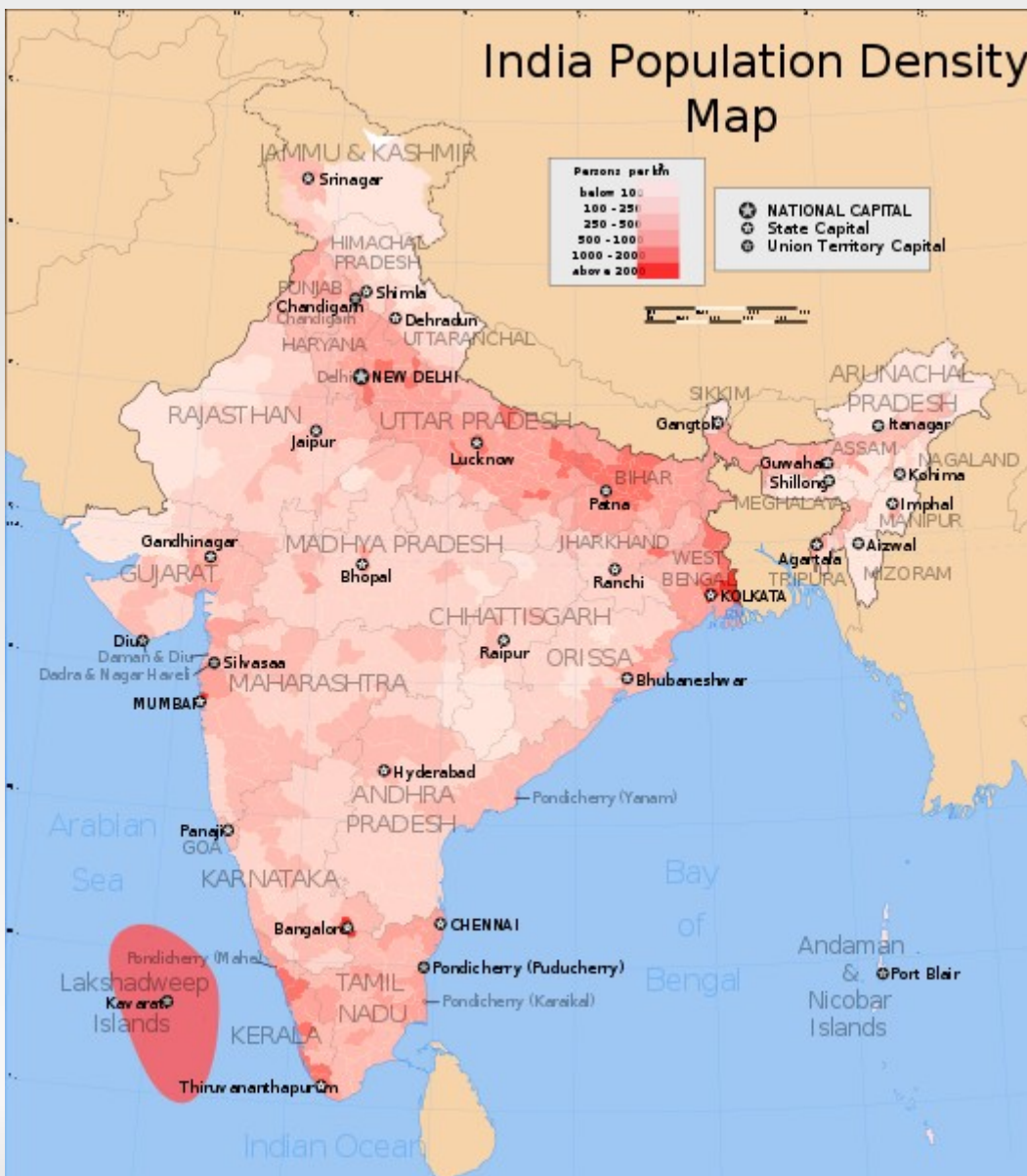
Map

POWERED BY Google 10 mi 10 km

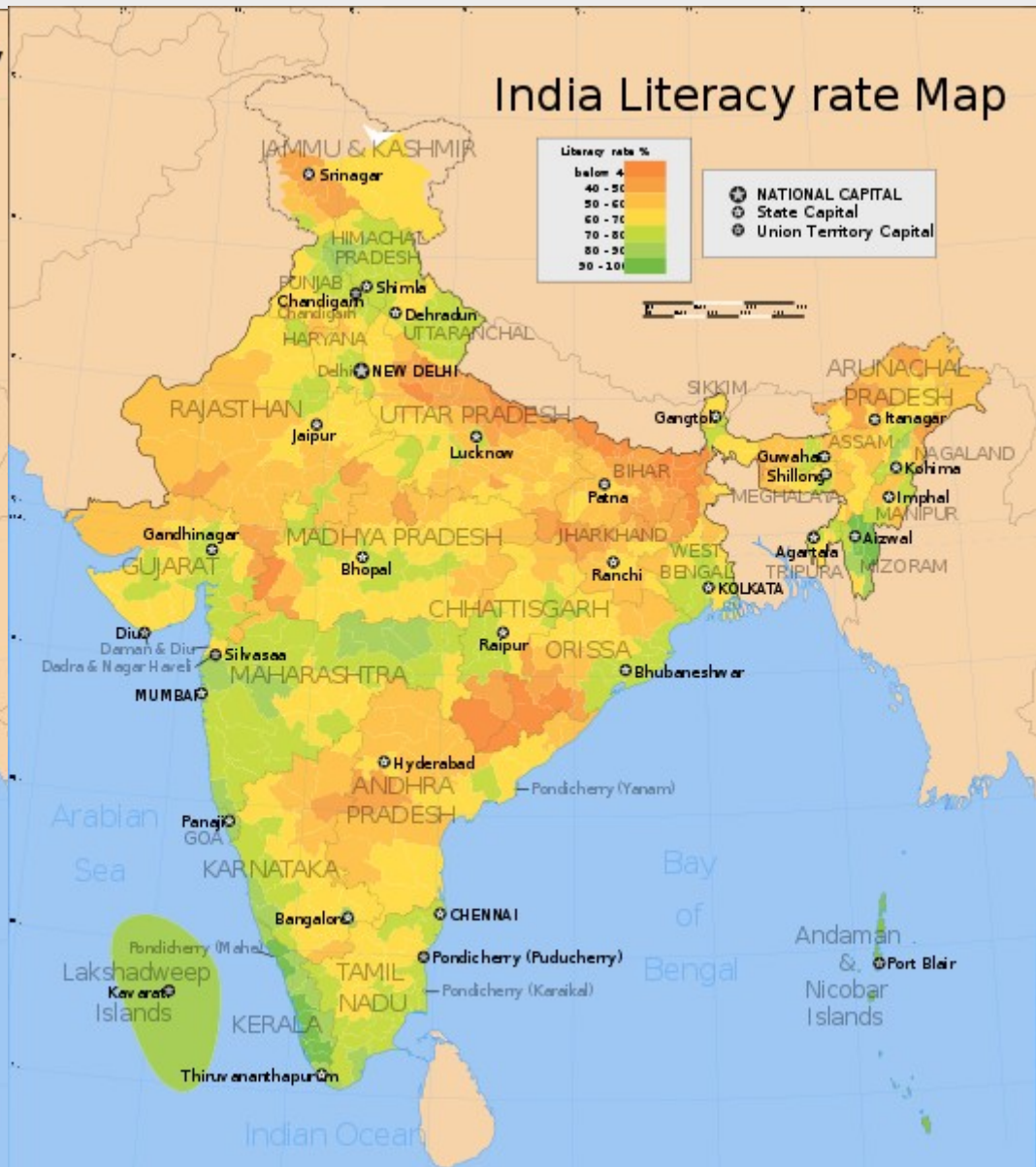
- Terms of Use

# Inputs: Access

## India Population Density Map

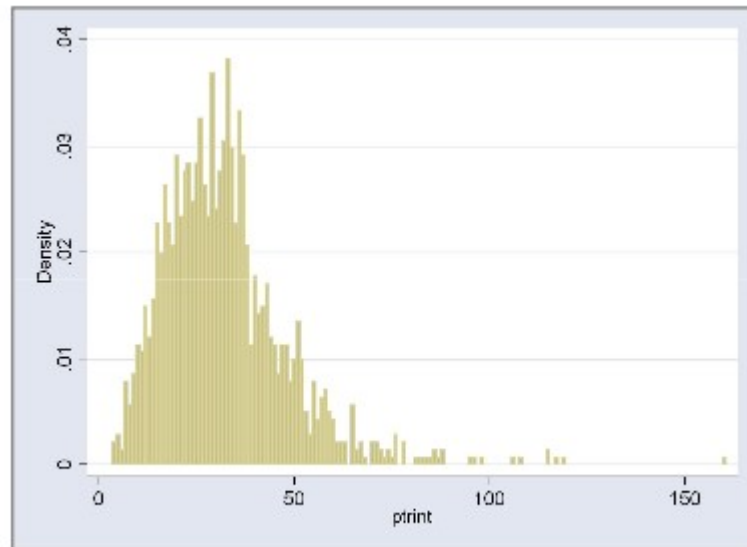


## India Literacy rate Map



# Inputs: Teachers

	School-Wise					Overall		
	Min	25 <sup>th</sup> Percentile	50 <sup>th</sup> Percentile	75 <sup>th</sup> Percentile	Max	Teachers	Students	PTR
Anekal	6.5	20	26	33	87	959	28468	29.7
North 1	7	21.9	31.9	42.3	82	664	24510	36.9
North 2	8	19	25.8	35.4	56	331	10244	30.9
North 3	7	19.8	29.1	37.5	61.5	507	16516	32.6
North 4	3.5	19.7	27.6	37.3	119	1101	36923	33.5
South 1	5	19.3	29.5	41.5	160	882	31853	36.1
South 2	6.8	20.1	30.3	35.9	70.4	529	17660	33.4
South 3	4.3	24.7	33.9	43.9	88	836	30621	36.6
South 4	4.5	29.4	35.2	46	73	866	32973	38.1
BMP	7	20	26	33	87	14	2228	26.5
<b>TOTAL</b>	<b>3.5</b>	<b>21</b>	<b>26</b>	<b>33</b>	<b>87</b>	<b>59</b>	<b>231996</b>	<b>34.3</b>





# Outcomes: Reading

## READING IN OWN LANGUAGE

TABLE 4: CLASS-WISE % CHILDREN WHO CAN READ (ALL SCHOOLS) 2009

STD.	Nothing	Letter	Word	Level 1 (Std 1 Text)	Level 2 (Std 2 Text)	Total
I	20.8	50.4	20.8	5.3	2.8	100
II	8.2	33.7	33.5	16.3	8.3	100
III	3.8	17.8	31.7	28.1	18.6	100
IV	2.1	9.7	21.8	34.4	32.0	100
V	2.0	6.0	15.2	29.5	47.2	100
VI	1.2	4.0	10.5	27.8	56.5	100
VII	1.1	2.6	6.5	22.3	67.5	100
VIII	0.6	1.6	5.4	18.5	73.9	100
<b>TOTAL</b>	<b>4.7</b>	<b>15.1</b>	<b>18.2</b>	<b>23.3</b>	<b>38.7</b>	<b>100</b>

NOTE: Each cell shows the highest level of reading achieved by a child. Thus a child who can read Std II level text can read letters, words, and Std I level text.

## READING TOOL

ವಿಷಯ - ೨

Std II (Level)      Std I (Level)

ಕಾಡಿನಲ್ಲಿ ಸಿಂಹ, ಹುಲಿ, ಆರವೆ, ಜಿಂಕೆ ಮುಂತಾದ ಪ್ರಾಣಿ ಪಕ್ಷಿಗಳು ಕ್ರೀಡೆಯಿಂದ ವಾಸಿಸುತ್ತಿದ್ದವು. ಪಕ್ಷಿಗಳನ್ನು ಇವುಗಳು ಪರಿಯಿಂದ ಕಾಯ್ದುಕೊಳ್ಳುತ್ತಿತ್ತು ಎಂದು ದಿನ ಪರಿಯು ಒಂದು ಪಕ್ಷಿಯನ್ನು ಓಡಿಸಿ ಹಿಡಿದು. ಪಕ್ಷಿಯು ಕಂಪನದಿಂದ ಕೋರತೊಡಗುತ್ತಿತ್ತು. ಪಕ್ಷಿಯು ಕೋರಿದಾಗ ಅದರ ದಾಖಲೆ ಸಿಂಹಕ್ಕೆ ತಿಳಿದುಹೋಯಿತು. ಆದರೆ ಪಕ್ಷಿಯು ಕೋರಿದಾಗ ಕೋರಿದಾಗ ಅದರ ಕಾಡಿನಿಂದ ಹೊರಹೋದ ಪಕ್ಷಿಯನ್ನು ಎತ್ತಿ ಹಿಡಿದಿತು. ಪಕ್ಷಿಯು ಕಂಪನದಿಂದ ಕೂಡಿಸಿಕೊಂಡು.

ಇದರಲ್ಲಿ ಪಕ್ಷಿಗಳ ಹೆಸರು ಕೋರಿದಾಗ ಕೆಲವು ಸಮಯದ ಹಿಂದೆ ಕೆಲವು ಕೋರಿದಾಗ ಒಂದು ಹಿಂದೆ ಕೆಲವು ಕೋರಿದಾಗ ಕೂಡಿಸಿಕೊಂಡು ಕೂಡಿಸಿಕೊಂಡು ಕೂಡಿಸಿಕೊಂಡು.

ಅ    ಏ    ಇ    ಓ    ಊ
ಋ    ೠ    ಋ    ೡ

ಋ    ೠ    ಋ    ೡ
ಕ    ಖ    ಗ    ಘ    ಙ

ಚ    ಛ    ಜ    ಝ    ಞ
ಟ    ಠ    ಡ    ಢ    ಣ

ತ    ಥ    ದ    ಧ    ಧ
ನ    ಣ    ಣ    ಣ    ಣ

## READING AND COMPREHENSION IN ENGLISH

TABLE 5: CLASS-WISE % CHILDREN WHO CAN READ ENGLISH (ALL SCHOOLS) 2009

STD.	Cannot read capital letters	Can read capital letters	Can read small letters	Can read simple words	Can read easy sentences	Total
I	63.0	22.1	8.4	4.5	2.0	100
II	46.2	27.1	14.4	8.5	3.8	100
III	32.4	31.7	17.8	12.8	5.4	100
IV	18.1	28.9	26.0	17.9	9.2	100
V	9.1	20.0	27.0	28.2	15.6	100
VI	4.9	15.6	19.2	30.2	30.1	100
VII	3.6	10.2	14.9	30.1	41.2	100
VIII	3.2	7.5	11.6	25.0	52.7	100
<b>TOTAL</b>	<b>21.7</b>	<b>20.5</b>	<b>17.9</b>	<b>20.1</b>	<b>19.9</b>	<b>100</b>

TABLE 6: CLASS-WISE % CHILDREN WHO COMPREHEND ENGLISH 2009

STD.	Of those who can read words, % who can tell meaning of the words	Of those who can read sentences, % who can tell meaning of the sentences
I	58.8	68.6
II	54.2	78.4
III	58.9	79.7
IV	62.0	82.4
V	68.8	81.3
VI	64.8	77.6
VII	64.6	81.0
VIII	65.0	82.8
<b>TOTAL</b>	<b>64.1</b>	<b>80.7</b>

## ENGLISH TOOL

ENGLISH TEST Sample (I)

A    J    Q
h    p    x

R    E
u    m

Y    N    O
d    g    t

---

cat          red

cup

lip          pig

bus

What is your name?  
 This is a small bag.  
 I like to read.  
 I have a mother.

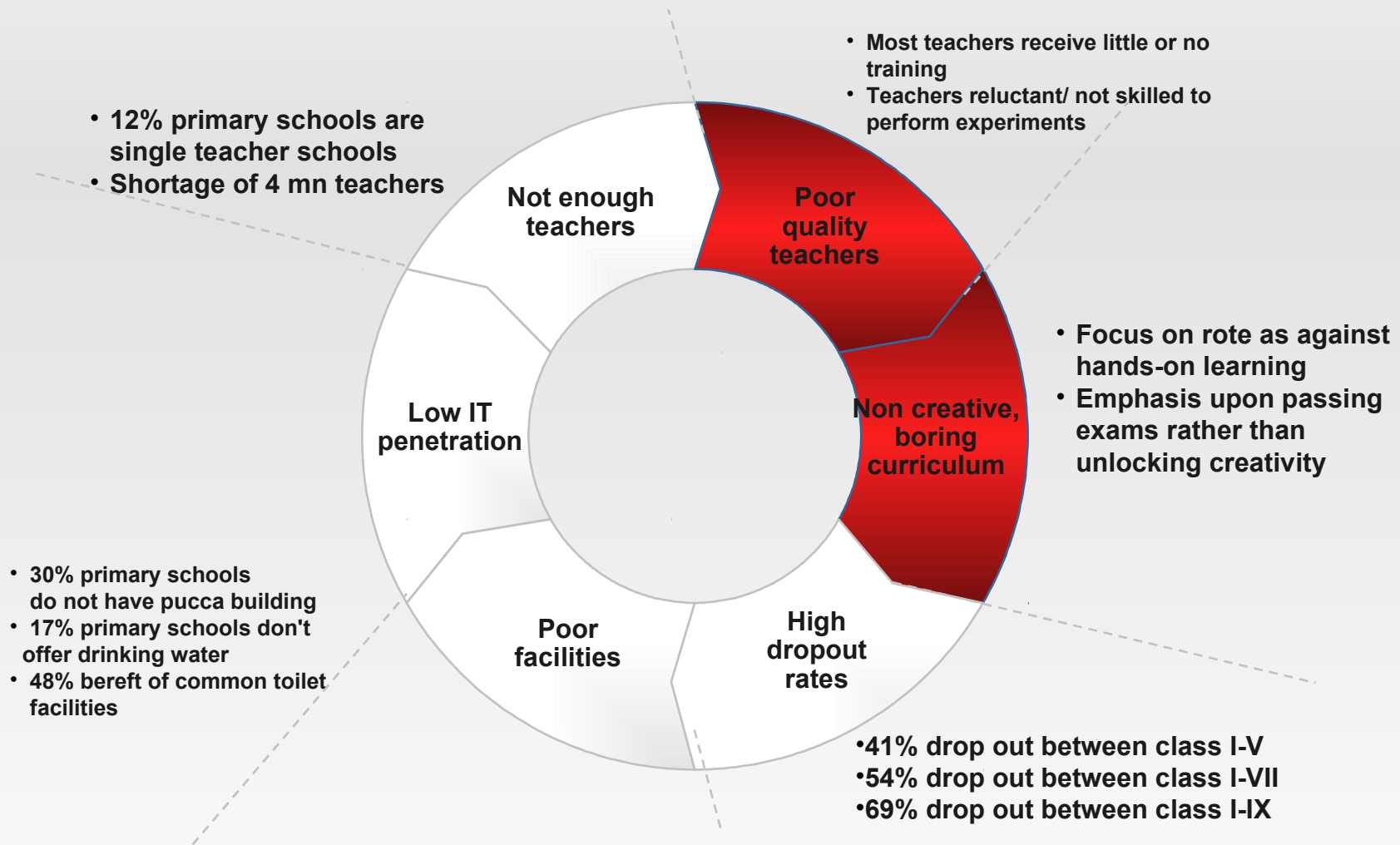
# Outcomes: Arithmetic

ARITHMETIC						
TABLE 7: CLASS-WISE % CHILDREN WHO CAN DO ARITHMETIC (ALL SCHOOLS) 2009						
STD.	Nothing	Recognize Numbers		Subtract	Divide	Total
		1-9	11-99			
I	23.9	50.6	21.6	2.7	1.2	100
II	10.0	31.4	45.7	11.7	1.3	100
III	5.4	18.4	48.2	24.5	3.4	100
IV	2.8	10.6	40.5	35.0	11.1	100
V	2.6	6.6	29.2	39.8	21.7	100
VI	1.2	4.9	22.4	42.0	29.5	100
VII	0.9	3.5	19.6	37.3	38.7	100
VIII	0.7	2.2	17.1	31.3	48.8	100
TOTAL	5.6	15.4	30.7	28.8	19.5	100


NOTE: Each cell shows the highest level of arithmetic achieved by a child. Thus a child who can do division, can also recognize numbers 1-9, 11-99 and do subtraction.

MATHS TOOL			
ನಿರ್ದಿಷ್ಟ ಅಂಶಗಳನ್ನು ಗುರುತಿಸಿ			
1 ರಿಂದ 9 ವರೆಗೆ ಸಂಖ್ಯೆಗಳನ್ನು ಗುರುತಿಸಿ	10 ರಿಂದ 99 ವರೆಗೆ ಸಂಖ್ಯೆಗಳನ್ನು ಗುರುತಿಸಿ	ಋಣಾಂಕಗಳನ್ನು ಗುರುತಿಸಿ	ಭಾಗಿಸುವಿಕೆಯನ್ನು ಗುರುತಿಸಿ
3 7	65 38	51 67 - 35 - 48	7)918
1 4	92 23	84 73 - 49 - 36	6)769
8 9	47 72	46 31 - 37 - 13	8)983
5 2	56 87	45 43 - 18 - 24	4)513
1-9 ರ ಸಂಖ್ಯೆಗಳನ್ನು ಗುರುತಿಸಿ	10-99 ರ ಸಂಖ್ಯೆಗಳನ್ನು ಗುರುತಿಸಿ	ಋಣಾಂಕಗಳನ್ನು ಗುರುತಿಸಿ	ಭಾಗಿಸುವಿಕೆಯನ್ನು ಗುರುತಿಸಿ

# Vicious Cycle



# Karnataka Learning Partnership



Karnataka Learning Partnership

**Visualization**

[Primary Schools](#)  
[Pre Schools](#)

**Programmes**

[Reading](#)  
[Maths](#)  
[Library](#)  
[Anganwadi](#)

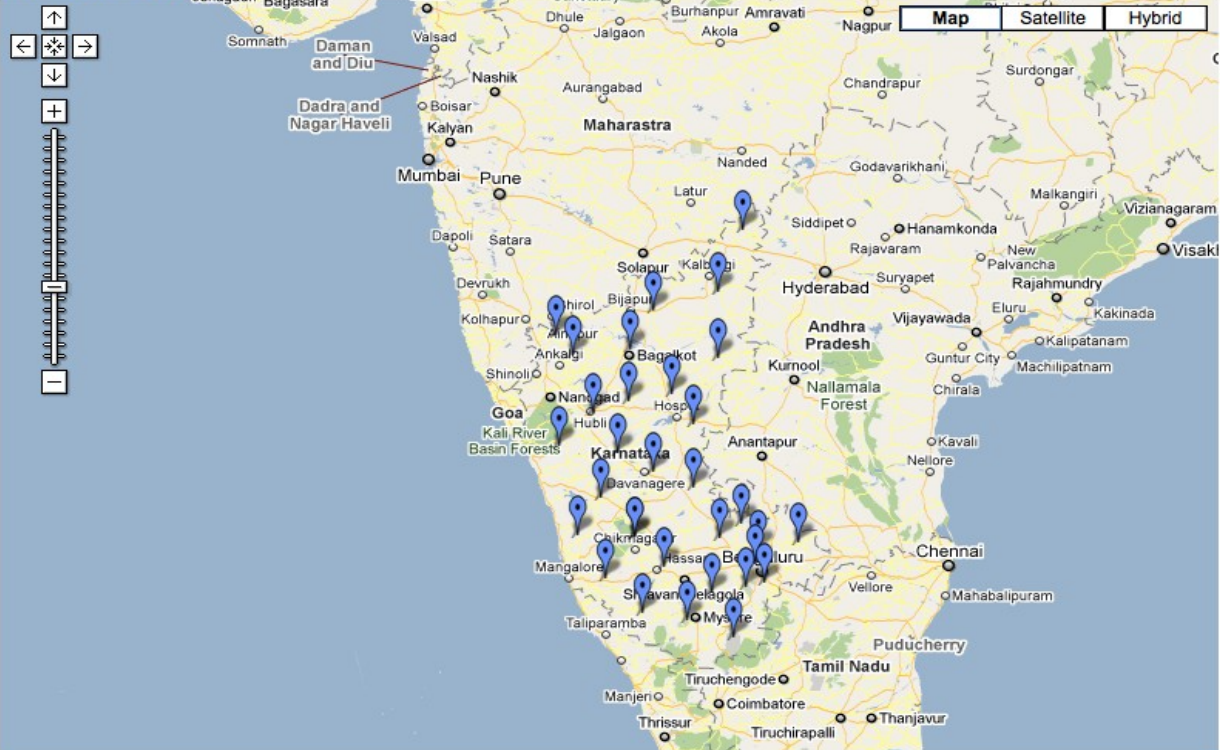
**Partners**

[Partners](#)

[Home](#)

Districts  Block   
Cluster  Schools

**PRIMARY SCHOOL**



The map displays school locations across India, with a concentration of blue pins in Karnataka. The map includes navigation controls (directional arrows, zoom in/out, and a scale bar) on the left and map style options (Map, Satellite, Hybrid) on the right. Major cities and states are labeled, including Maharashtra, Andhra Pradesh, Karnataka, and Tamil Nadu.



What Gets Measured Gets Done

# KLP – Database Mining

- Metrics of effectiveness & efficiency
  - Programme level
    - Cost function for programmes
  - Organisational level

# KLP – Database Mining

- Library and vs
  - Reading
  - Math
  - English
- Medium of instruction and mother tongue vs. everything else
- At-risk children
  - Education history
  - Deletions

# KLP – Database Mining

- Underserved and overserved areas
  - Programme level
  - Organisation
- Report cards at various geographic levels
  - Analysis



# KLP – Database Mining

- De-duplication
- Student migration/transfers
  - Anganwadi to Schools
  - Schools to Schools
- Parameters that should be captured in the future