



Literacy Analysis | India

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Agenda

Explore Literacy rates across the different states in India

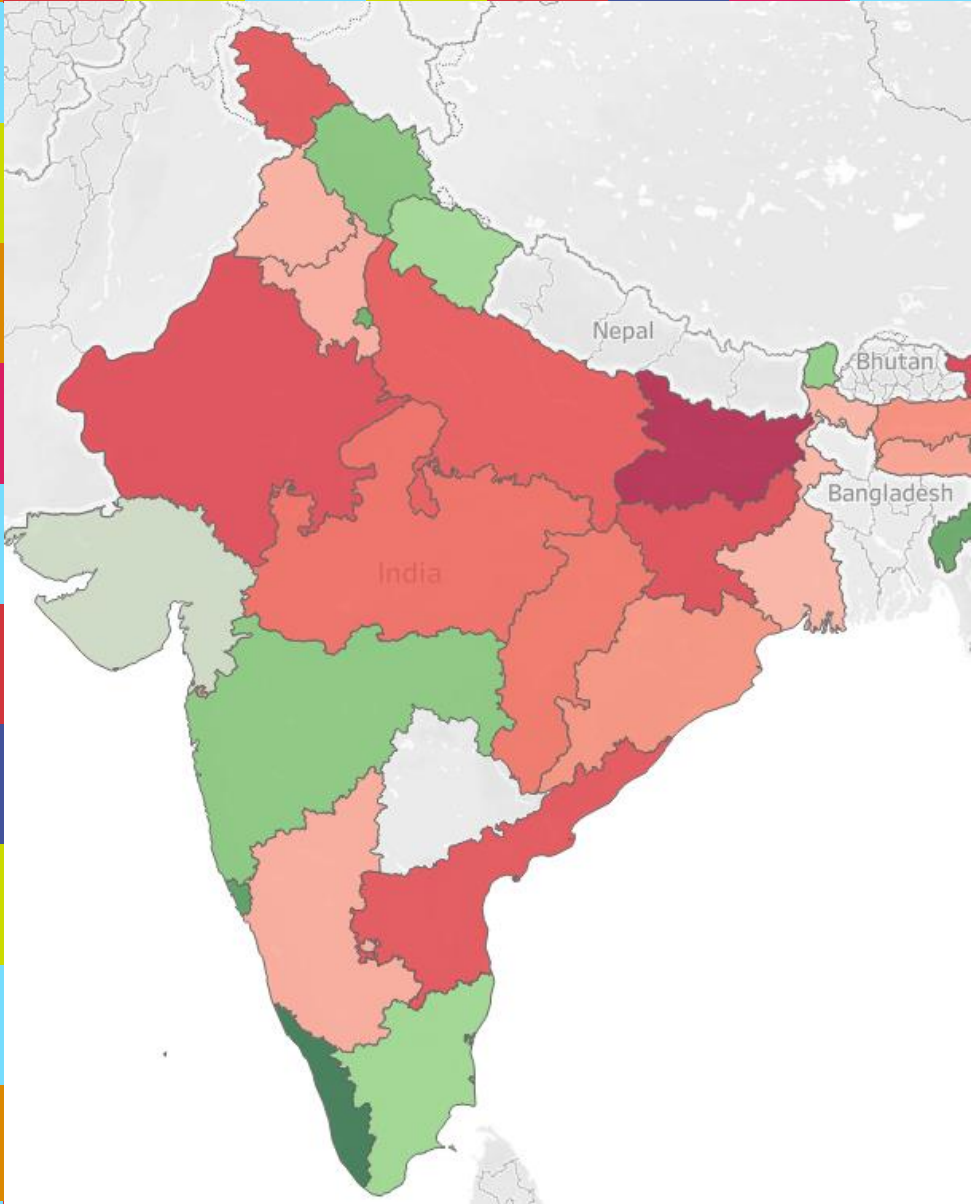
Dive in the factors driving literacy **#EDA**

Some plots – only a bit

Vicious cycle – and how to break it

Challenges





Literacy Heatmap

KERELA has the highest literacy level of **94.0%**. On the other hand, **BIHAR** has the lowest literacy level of **61.80%**



KERELA


#EDA

BIHAR





BIHAR



34%



4.2



4.5x



7x



x



x



KERELA



7%



1.6



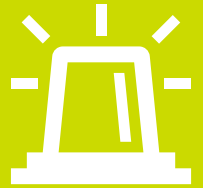
x



x



7.5x



2.8x



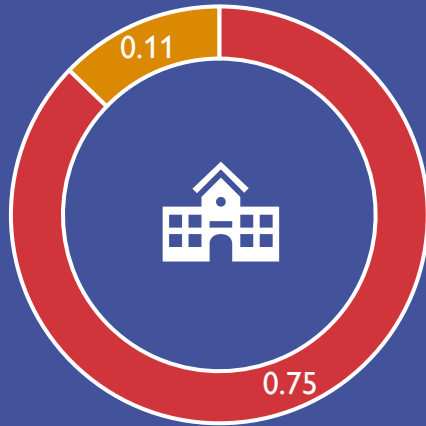
Family Background



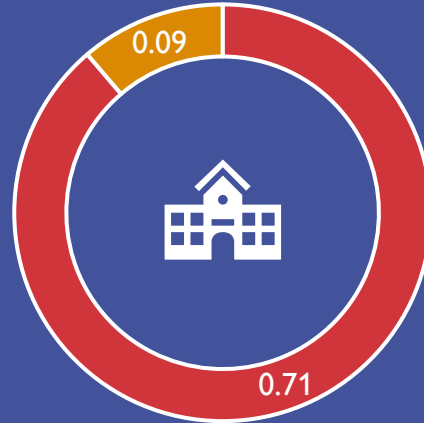
Regional Factors

Schools & Facilities

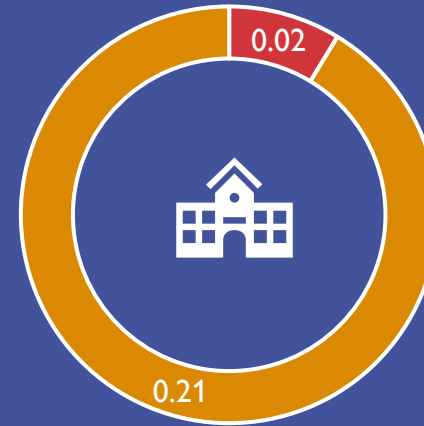
Government



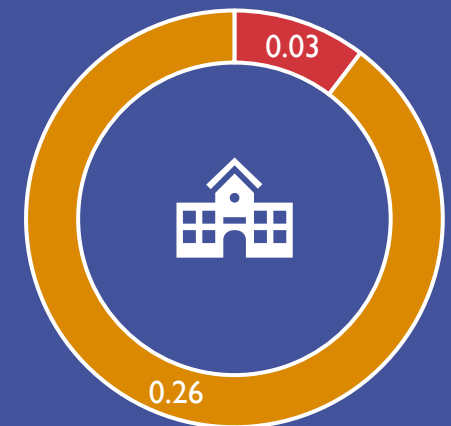
Rural



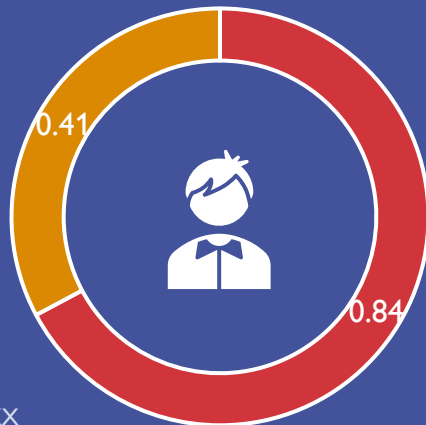
Private Rural



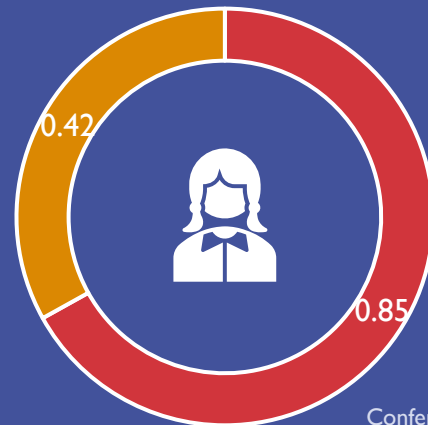
Private



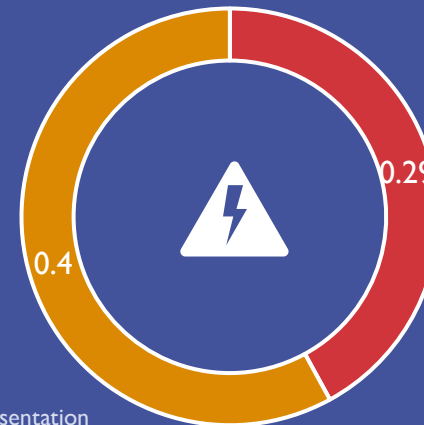
Boys Only



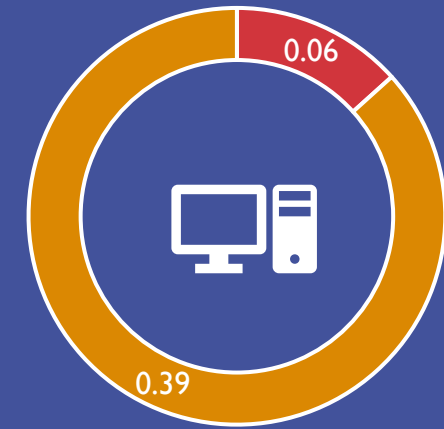
Girls Only



Electricity



Computers



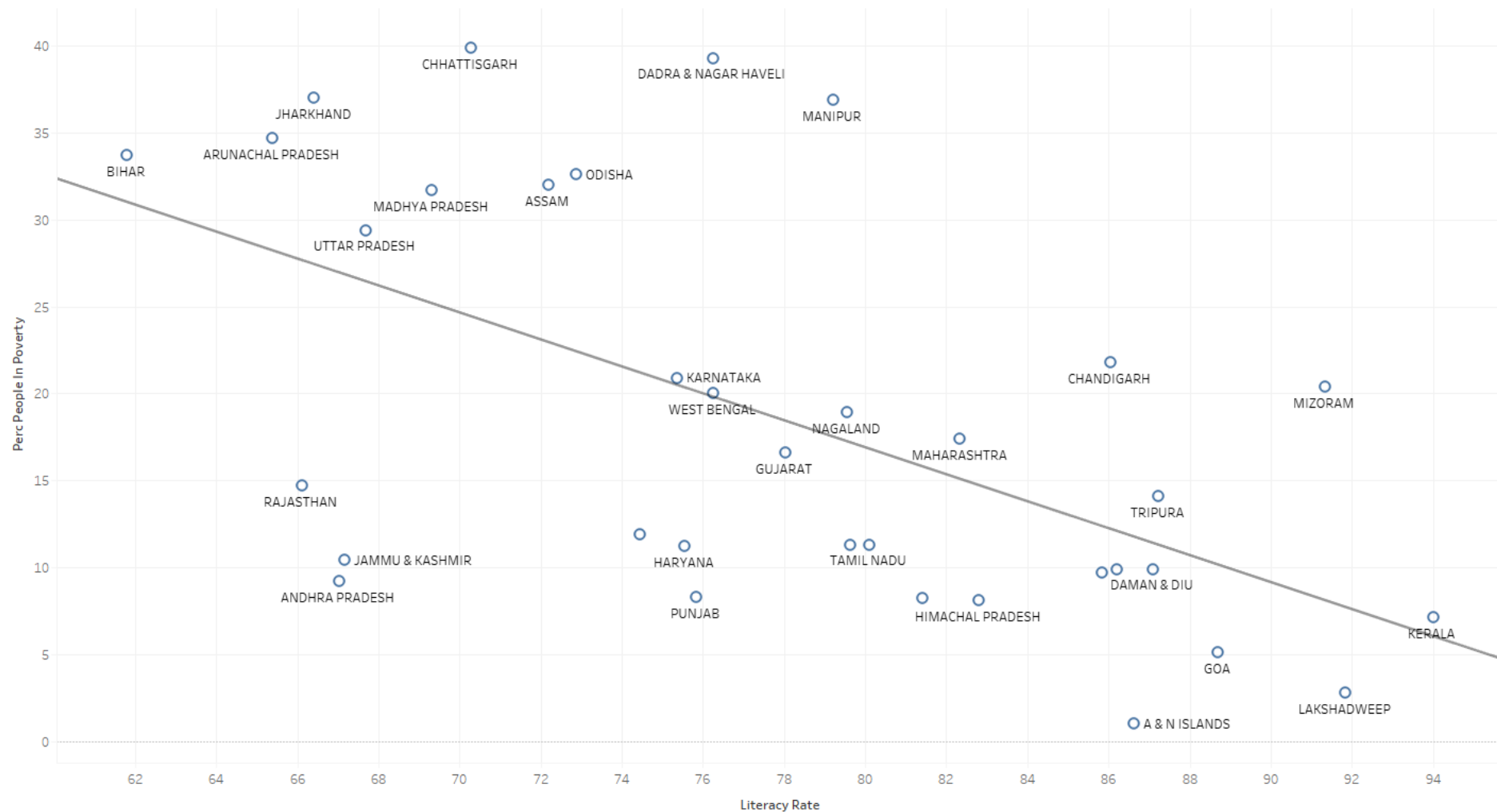
■ Bihar

■ Kerala

Don't get overwhelmed!

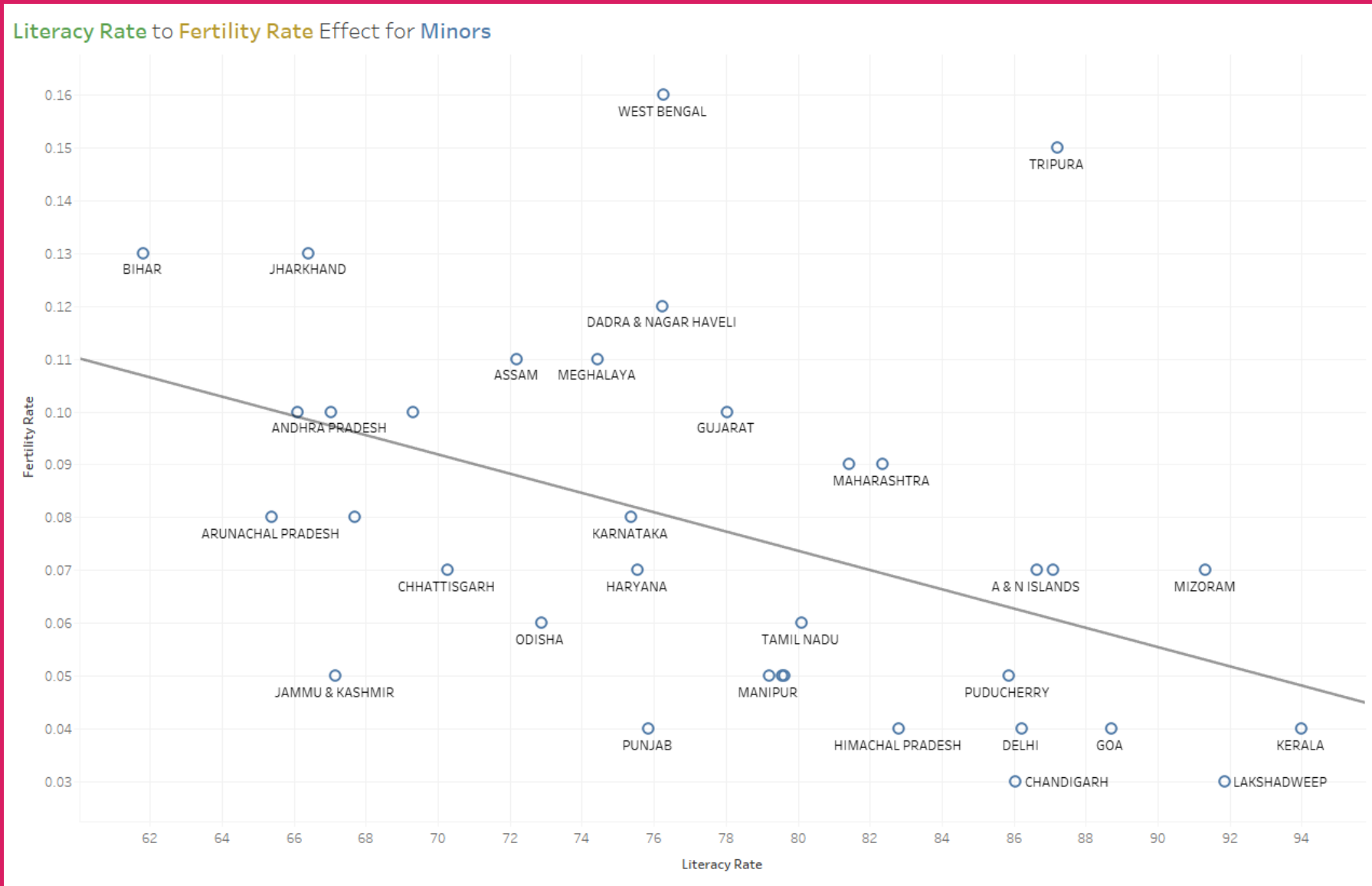
Poverty Rate against increasing Literacy Rate shows a decline

How **Literacy Rate** affects the **Poverty** Percentage in State

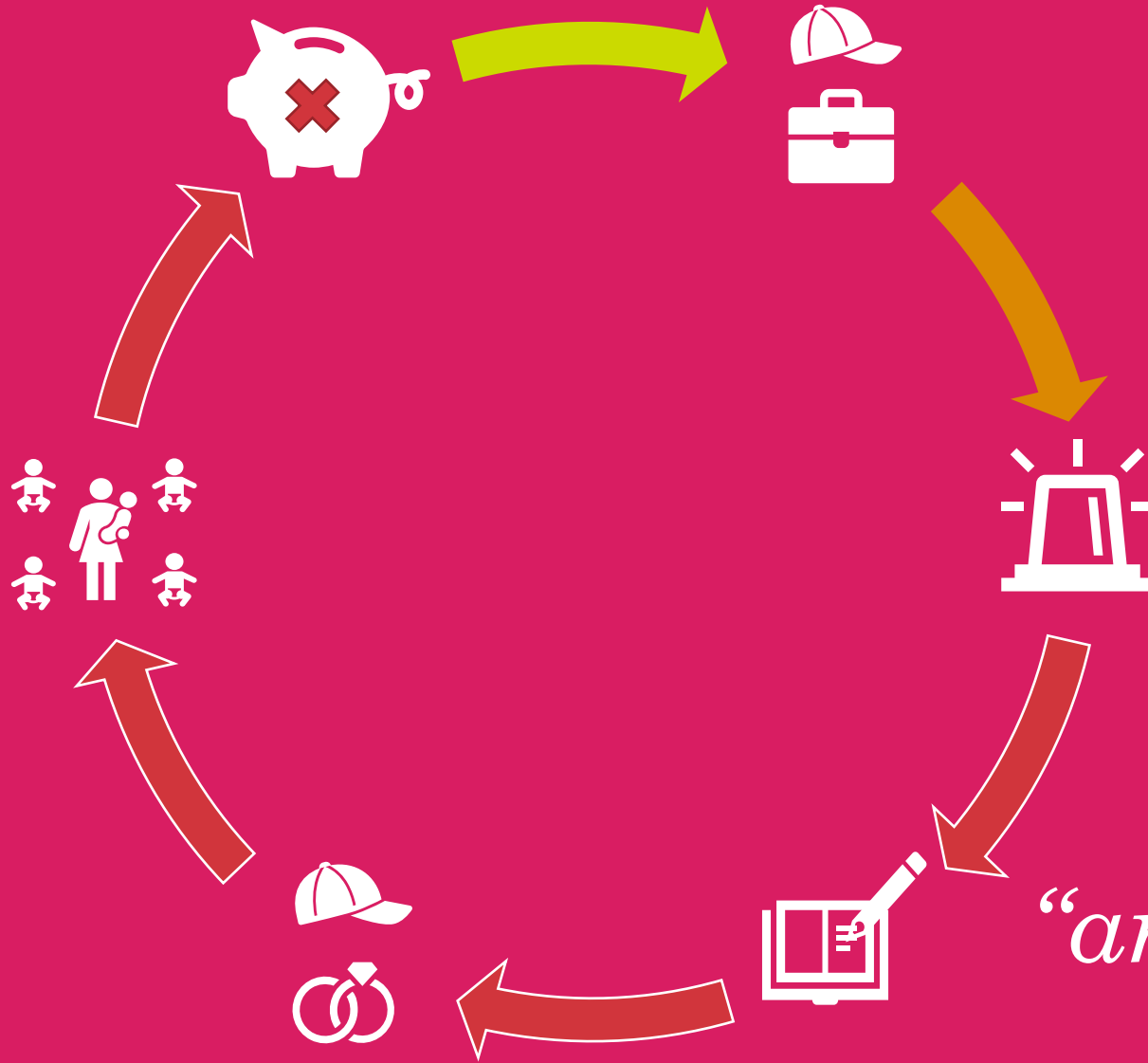


Don't get overwhelmed!

Fertility Rate of Minors against increasing Literacy Rate shows a decline



It's a cycle!



*“and we need to
break it!”*



Challenges

Literacy is the key to breaking the vicious cycle but it comes with its own challenges:


- 
- Concealed factors' data cannot be captured / captured correctly.
 - Data available from census was aggregated, not granular.
 - Every state has unique factors affecting the literacy rate.
 - Some states enjoy more privileges than others like special grants, surplus infrastructure (Central Govt. control UTs)
 - Modeling won't be feasible to create:
 - Very less data (36 states and UTs)
 - Even if we get more data, that would be from other countries, which could have additional / other set of parameters.**

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