

FACTORS AFFECTING FEMALE LITERACY IN THE INDIAN STATE OF UTTAR PRADESH

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MOTIVATION

- ✘ Newspaper article: Lack of toilets in some areas might be a significant factor in female illiteracy
- ✘ 2010-11 Indian Census Results
- ✘ Detailed study of the north Indian states

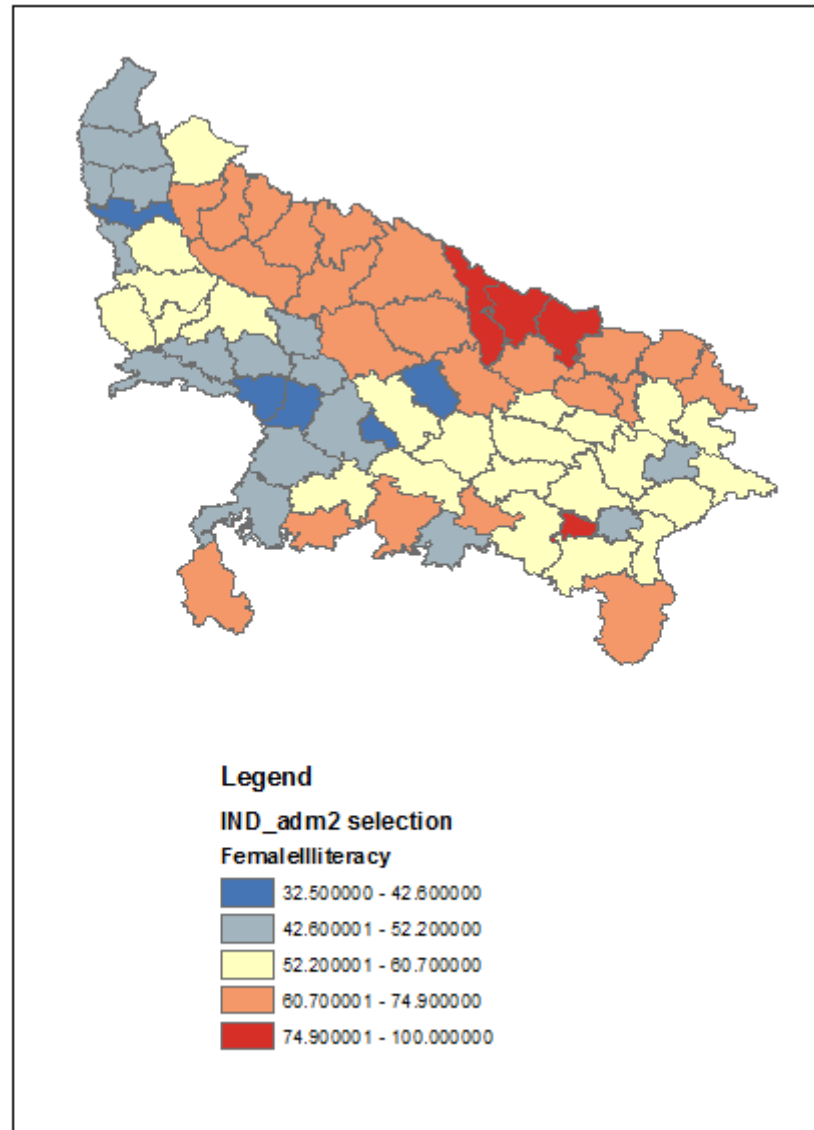
HYPOTHESIS

- ✘ Strong correlation between high female illiteracy and independent factors :
 - + Percentage of schools with no female toilets
 - + Percentage of poor households
 - + Percentage of schools with no female teachers
 - + Percentage of underage females married

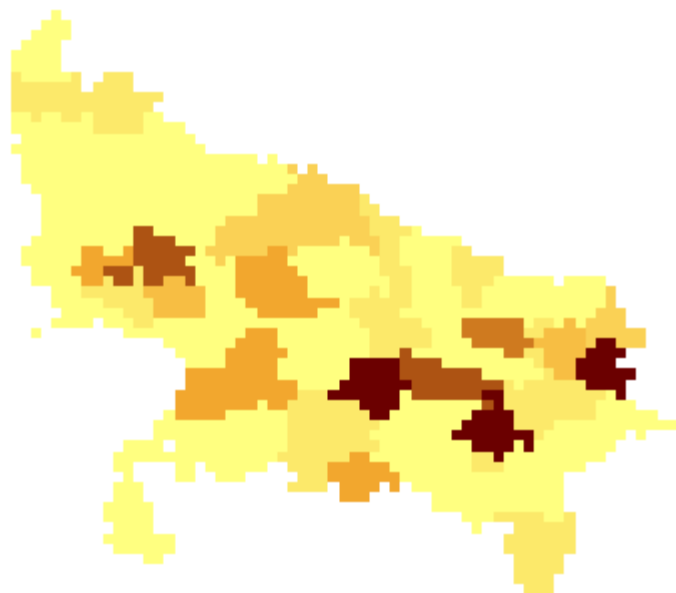
DATA

- ✘ <http://www.censusindia.gov.in>
 - + Poverty data
 - + Underage marriage data
- ✘ <http://www.diva-gis.org/gdata>
 - + Polygon Features of India
- ✘ <http://www.dise.in> District Information System for Education India
 - + Illiteracy data
 - + School toilet facility data
 - + School teachers data

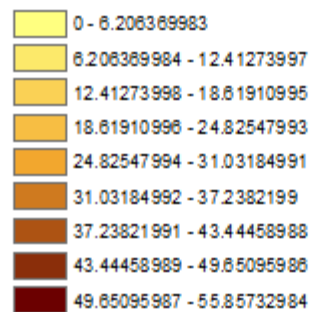
Female Illiteracy



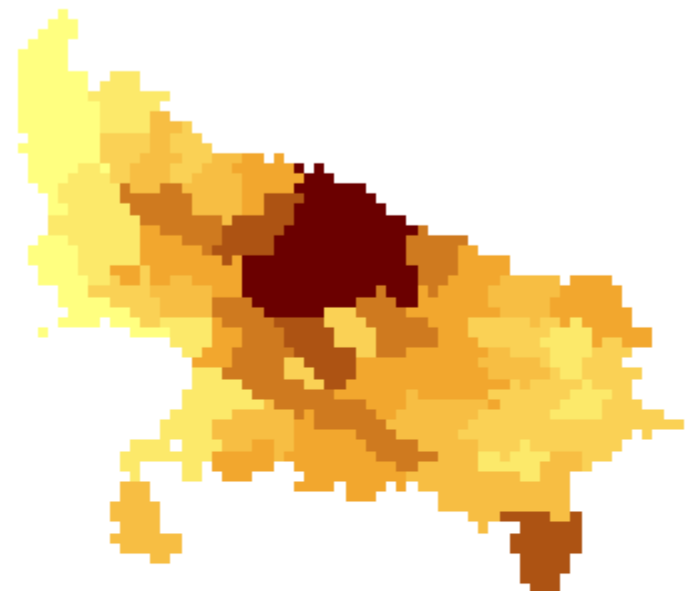
Percentage of Schools With No Girls Toilet



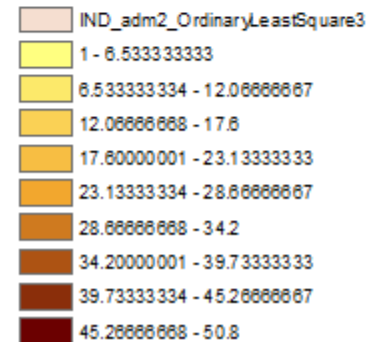
Legend



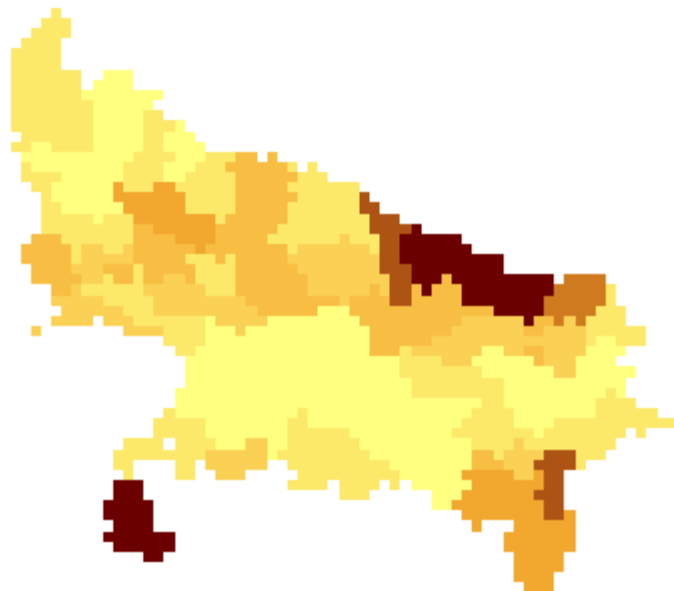
Percentage Households in the Lowest 20% of the Wealth Index



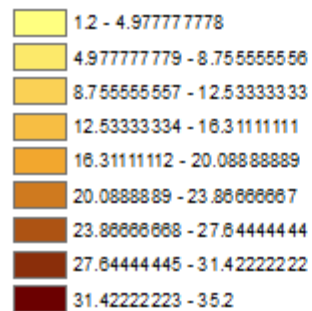
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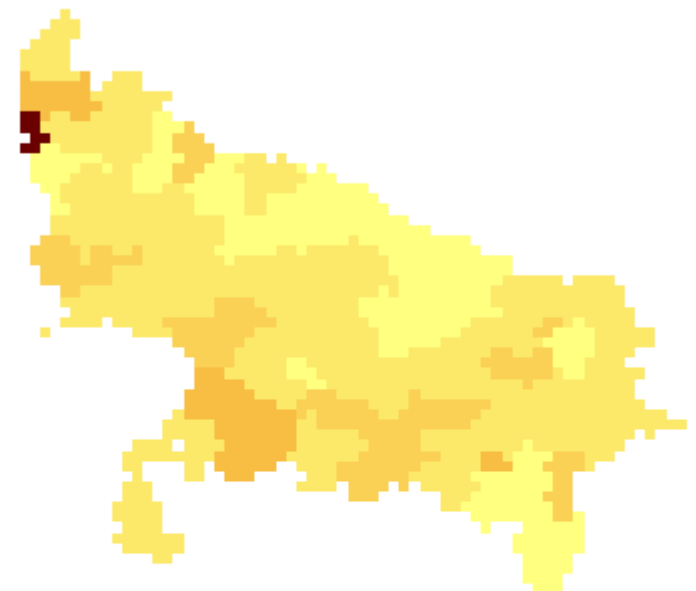
Percentage of Underage Female Married



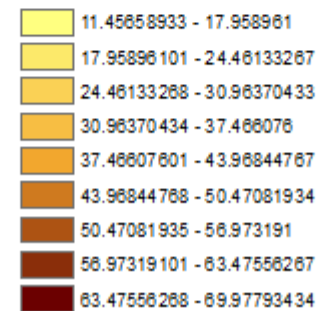
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Percentage of Schools With No Female Teachers



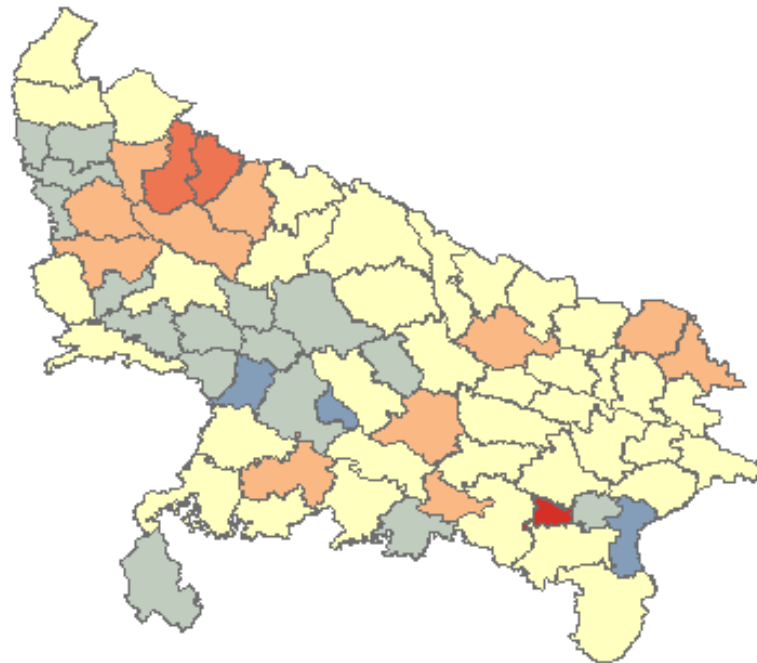
Legend



ORDINARY LEAST SQUARE

✘ Performed OLS on the data accumulated

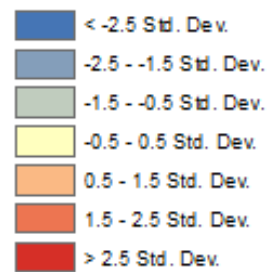
✘ Variable -	Coefficients	T values
+ Poverty:	0.282644	3.009131
+ Underage Marriage :	0.704547	5.179301
+ No Female Toilets:	0.007325	0.093093
+ No Female Teachers:	0.145660	1.061927



Legend

UPOLS1

StdResid



CONCLUSION

- ✘ Significant correlation
- ✘ Female illiteracy is more correlated to poverty, underage marriage and lack of female teachers than lack of female toilets