

Analysis plan – physical environment – validation paper

SES variables: caste, education, parental education, literacy, consumption quintile

Transform physical environment measures:

- For percentage measures: center around the mean
- For count measures: create z-score – center around the mean divide by standard deviation

Regression models: linear regression models variance clustered at the household level for individual-level measures, variance clustered at the household and ssu level for cluster-level measures

- Map showing the intersections in each of the four cities (different panels)
- Density plot of the number of intersections in each household buffer by city
- Correlation plots of the different physical environment measures
- Calculate percentage of intersections in each buffer with missing data - plot these
 - Look at associations between percentage missing and SES variables (t-tests or chi-squared tests)
- Models Phase 1: associations with SES
 - Only individual-level measures
 - Model 0 = adjusted for age + gender
- Models Phase 2: associations with validation measures
 - Two types of measures: cluster-level measures (from community surveys/interviewer observations), and individual measures (from individual surveys)
 - For cluster-level measures
 - Model 0 = unadjusted
 - Model 1 = adjusted for age + gender + SES variables
 - For individual-level measures
 - Model 0 = adjusted for age + gender
 - Model 1 = adjusted for age + gender + SES variables