### S6 Table. Chi-Square Independence Test (classes: \(WUP_p\) & \(HDI\), subnational, 2014).

Data Sources: Global Data Lab (GDL) @ Radboud University: [https://globaldatalab.org/shdi/](https://globaldatalab.org/shdi/), European Commission, Joint Research Centre (JRC): ghs_pop_gpw4\{1975|1990|2000|2015\}_globe_r2015a_54009_250_v1_0, ghs_built_lds\{1975|1990|2000|2014\}_globe_r2016a_3857_38_v1_0. Chi-Square Test of Independence in R (©sthda.com 2016).

The chi-square test of independence was used to analyze the frequency table (i.e., contingency table) formed by two categorical variables (urban sprawl \(WUP_p\) and \(HDI\)). The chi-square test evaluates whether there is a significant association between the categories of the two variables.

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\chi^2 = 484.03, \text{df} = 12, p = 5.5e-96 < 0.0001, \chi^2(0.99, 12) > 26.22, \text{i.e., highly significant relation between } WUP_p \text{ and } HDI.
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