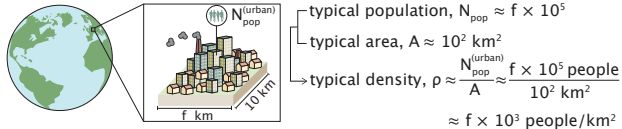


(A) URBAN POPULATION DENSITY ESTIMATE



(B) URBAN LAND AREA ESTIMATE

$$\text{total urban land area, } A_{\text{urban}} \approx \frac{N_{\text{urban}}^{(\text{global})}}{\rho} \approx \frac{f \times 10^9 \text{ people}}{f \times 10^3 \text{ people/km}^2} \approx 10^6 \text{ km}^2$$

global urban population densities (2015)

data source: GHSL European Commission, Joint Research Centre

