

# POVERTY MAP

inference using ML and fine-grain online data in African countries

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$R^2=0.83$

**Mobility**  
*Facebook,  $R^2=0.81$*

**Population**  
*Facebook,  $R^2=0.81$*

**Night-light intensity**  
*Google Earth,  $R^2=0.79$*

**Connectivity**  
*OpenCellID,  $R^2=0.77$*

**Daylight satellite images**  
*Google Maps,  $R^2=0.74$*

poor  rich  
Wealth index

**Infrastructure**  
*OpenStreetMap,  $R^2=0.72$*

**Demographics**  
*Facebook,  $R^2=0.47$*

Sierra Leone



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