

Aggregation analytics

Story, narrative

- Goal 6: Clean water and sanitation
- Goal 3: Good health and well-being for people
- Goal 4: Quality education

Analysis

Hexbin & Subcounty, parish aggregation of

- Thematic count
 - Buildings
 - Water
 - Health
 - Education
- distance (linear distance using HubDistance tool)
 - Average distance to from buildings to nearest water, health, education
- more sophisticated analysis: how many people live in a certain distance (1-10km) from a provisioning point
 - population:
 - OSM Buildings count, OSM Buildings area, OSM Building area share * population
 - zonal statistic HRSL
 - zonal statistic WorldPOP
 - distance:
 - buffer
 - Isochrone
- length of highway

Run the analysis

Right now there are three models available:

osm_aggregation_hexbin for aggregations on a hexbin level with variable height/width

osm_aggregation_subcounty for aggregations on subcounty level

osm_aggregation_parish for aggregations on parish level

Parameter	Value
Countries	donloaded geojson file from osm-boundaries
district	Name of the ugandan district (e.g. Yumbe)
osm	converted .db file
parishes	Parishes shapefile from UBOs
style	link to style folder (/src/style)
subcounties	Subcounties shapefile from UBOs