Quadrant
An Appen Company

MOBILE LOCATION DATA OPENSOURCE TOOLS

RESOURCE MATERIAL



WWW.QUADRANT.IO

Name	Description
Kepler	Explore & visualise geospatial datasets on an interactive map.
GeoJSON Shapefile Tool	Create, edit & convert GeoJSON data for mapping applications.
Geomesa Geospatial Tool	Store, query & analyse large geospatial datasets using distributed processing
OpenStreetMap	Open geographic database of roads, places & map features.
Geofabrik OSM Data Extracts	Download OpenStreetMap data extracts by country & region.
Overture Maps	Open building footprint data for mapping & geospatial apps.
Google Building Footprints	Building footprint datasets derived from satellite & aerial imagery.
Microsoft Building Footprints	Download building footprint data in many countries & regions.
Foursquare OS Places	Access an open global POI dataset with place attributes.
FreeMapTools	Browser based tools for distance measurement, coordinate conversion & mapping tasks.
ZeeMaps	Create & share interactive maps using uploaded location data.
GPS Visualizer	Display GPS tracks, routes & geographic data on maps.
Timestamp Conversion	Convert Unix timestamps to readable dates & times.
GIS Stack Exchange	Converting geographic coordinates into postal codes.
Geopy	Use Python to retrieve a postal or ZIP code from a location.
US Census Boundary	Download US administrative & statistical boundary files
USGS Topographic Information	Access US topographic maps, elevation products & datasets.
StatSilk Shapefile Maps	Find downloadable shapefiles for countries & regions
Natural Earth Mapping Data	Download public domain global vector & datasets for cartography.
Tippecanoe	Generate vector map tiles from large GeoJSON datasets.

Name	Description
Free GIS Data	Browse a directory of free GIS datasets from different providers.
QGIS	Vector & raster data in a desktop GIS application.
PostGIS	Add spatial data & geographic query functions to PostgreSQL data.
GeoP&as	Read, manipulate & analyse vector geospatial data using Python.
DuckDB Spatial	Run spatial SQL operations on geospatial files & data within DuckDB.
Apache Sedona	Perform distributed spatial analysis on large datasets across cluster computing environments.
H3	Index geographic coordinates into hexagonal cells.
S2 Geometry	Represent & index locations using hierarchical cells on a spherical earth.
Nominatim	Convert addresses or place names into coordinates & coordinates back into addresses using OpenStreetMap data.
Overpass Turbo	Query & export selected features from the OpenStreetMap database.
OSRM	Calculate road routes, travel times & distance matrices.
Valhalla	Provide routing, travel time, isochrone & map matching functions using geographic networks.
GraphHopper	Calculate routes & travel distances, with support for map matching & isochrone analysis.
openrouteservice	Access routing, distance matrix & isochrone services for transport & accessibility analysis.
MapLibre	Build interactive web & mobile maps using open source mapping.
deck.gl	Render interactive visualisations of geospatial datasets in web apps.
GeoServer	Publish geospatial data through st&ard web services for mapping apps.
GDAL	Read, write, transform & process raster & vector geospatial formats.

Quadrant
An Appen Company

Quadrant, an Appen company, is a global provider of privacy first mobile location data & Point of Interest (POI) data.

We deliver validated, trusted, & AI ready mobile location data that helps enterprises, organizations, & innovators underst& how people & places interact. Our data powers AI model training, business intelligence, location analytics, & real world decision making across industries.

With coverage across 200+ countries & territories, 1+ billion opted in unique devices, & 50+ billion daily location events, our mobile location data delivers global scale for location intelligence. Our POI data spans 200+ countries & includes 300+ million places with 50+ verified attributes, enabling organizations to build better maps, search experiences, market intelligence, & location based products. We also offer POI validation, enrichment, & enhancement services to improve existing datasets.

As part of Appen, a global leader in AI training data, Quadrant combines global scale, enterprise grade data quality, & privacy first governance to help organizations build the next generation of location enabled products & services.

BOOK A MEETING

VISIT OUR WEBSITE