











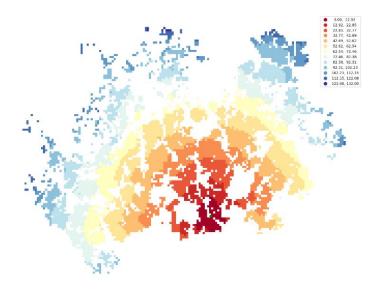


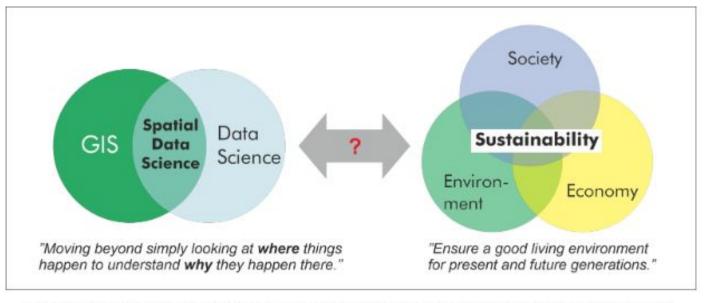
SPATIAL DATA SCIENCE FOR SUSTAINABLE DEVELOPMENT

Spatial data science for sustainable development course introduces geographical and computational analysis approaches to study sustainability related questions. The course is inspired by the United Nation's 2030 Agenda for Sustainable Development and the Global Sustainable Development Report, as well as numerous scientific articles that have investigated sustainability related problems through the lense of geospatial analytics.



- OSM
- GIT
- Network Analysis
- Spatial Accessibility
- Spatial Regression
- Trajectories





Two main components of the course: Spatial Data Science & Sustainable Development.



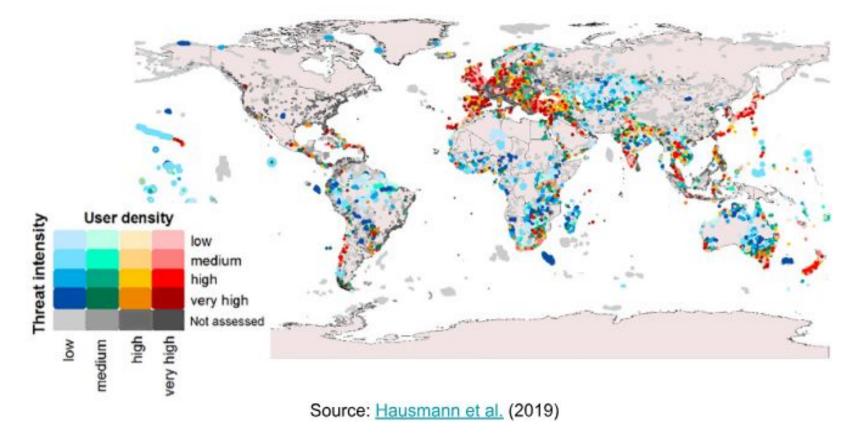




Spatial analytics -course introduces you to different analysis approaches and methods of spatio-statistical analysis, geostatistics, map algebra and geovisual analysis. After the course, you can identify appropriate analysis approaches for different geospatial tasks, and describe data needs and suitable methods for the given analysis process.



- Point Pattern Analysis
- Interpolation
- Map Algebra
- Spatial Networks
- Visual Analytics









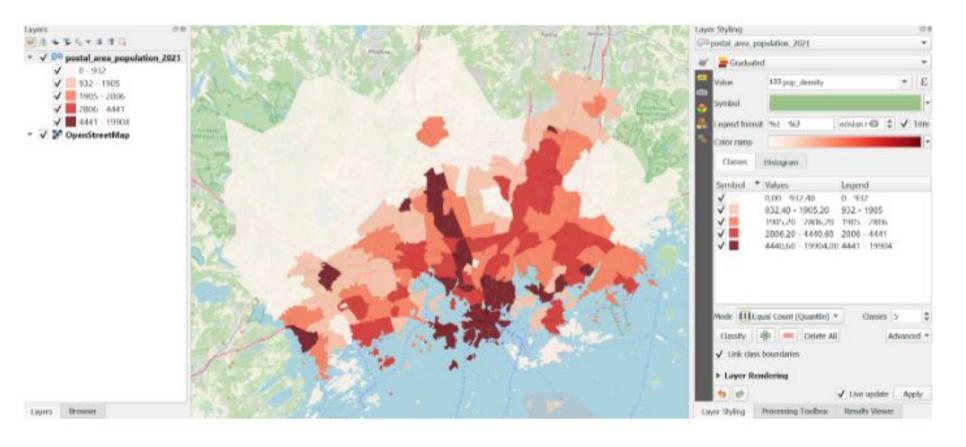
Spatial Analysis with QGIS Introduction to basic spatial operations



The Spatial Analysis with QGIS course gives to students an introduction to basic spatial operations using the open source GIS desktop software QGIS. It leads the learners through the data management using vector and raster data format and explain basic tools that gives an start to Spatial Analysis.



- Fetch Data Layers
- Geocoding
- Feature Selection
- Voronoi
- Buffer
- Map Algebra
- Clip Layers
- Conversions

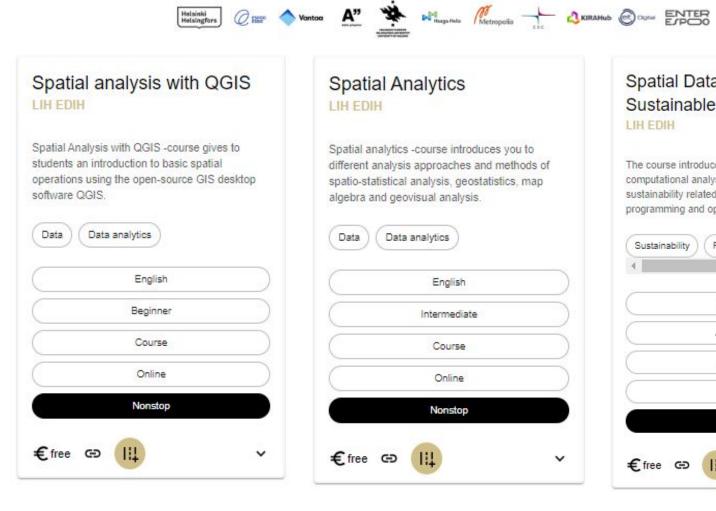


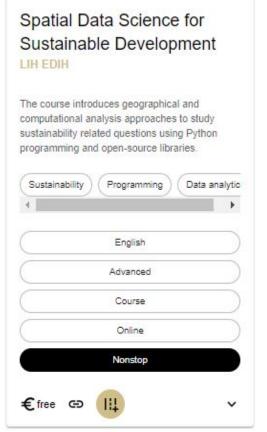






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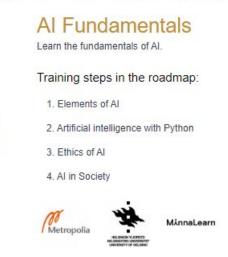






Explore our curated training roadmaps









Thanks



