ATROCITY PREVENTION LAB

Atrocity Prevention Lab - Guide to Further Learning

A guide to (mostly free and online) trainings that can increase technical literacy and skills on spatial methods. These include trainings on geographic information systems (GIS) and remote sensing (also known as earth observation), using both open source (ex. QGIS) and proprietary (ex. ArcGIS) software applications. Good luck and happy learning!

- **APL Asynchronous Course: Spatial Methods for Atrocity Prevention**
  - Description: This is a non-technical course intended to introduce early warning and early action (EW/EA) practitioners, decision-makers, and humanitarian actors to spatial analytics and its use for conflict and atrocity prevention work.
  - https://exed.canvas.harvard.edu/enroll/FGEEJJ
- **Spatial Thoughts**
  - Description: Spatial Thoughts is an open learning platform for modern geospatial technologies. Our open-source learning materials and instructor-led courses are designed to teach you skills needed for solving large and complex real-world problems.
  - https://spatialthoughts.com/
- **Esri**
  - Description: Esri is the developer of the proprietary GIS software ArcGIS. They have hundreds of training courses available on their website, both free and paid, online and in-person. If you look specifically at their MOOC options, these are free and provide you with an ArcGIS license for the duration of the training.
  - https://www.esri.com/training/mooc/
- **Center for Geographic Analysis (CGA) at Harvard University**
  - Description: The Center for Geographic Analysis (CGA) was established in 2006 to support research and teaching across all disciplines in the University as they relate to geospatial technology and methods. Many self-led tutorials on ArcGIS, ArcGIS Online, QGIS, R and more are available at the links below.
  - https://gis.harvard.edu/faq?page=2
  - https://gis.harvard.edu/making-sense-out-spatial-data
- **Coursera**
  - Description: Coursera is an online learning platform that offers a variety of courses, certificates, and degrees from universities and companies. Explore their GIS offerings at the link below.
  - https://www.coursera.org/search?query=GIS

Courses with a Humanitarian Focus

- **Humanitarian Use of OpenStreetMap Data**
  - Description: This course is free, self-paced, online and self-contained (no PDFs or slides!), and is for communities, organizations and individuals interested in

using OpenStreetMap more in their work. In it, you will learn from a range of real-world examples of humanitarian use of OpenStreetMap data and gain exposure to mapping tools such as QGIS, uMap, Disaster Ninja, and Openrouteservice.

- https://hot.learnworlds.com/course/humanitarian-use-osm

- **IFRC Network GIS Training Platform**
  - Description: Here you can find training materials for teaching QGIS specific for the work in the Red Cross Red Cresent network for total beginners up to an intermediate level. The training material is centered around the extensive use of practical follow-along exercises, hands-on training, and the use of rich media like videos and visualizations.
  - https://giscience.github.io/gis-training-resource-center/content/intro.html#

- **ARSET (Applied Remote Sensing Training Program)**
  - Description: ARSET offers online and in-person trainings for beginners and advanced practitioners alike. Trainings cover a range of NASA datasets, web portals, and analysis tools and their applications to health and air quality, agriculture, climate and resilience, disasters, ecological conservation, and water resources management.
  - https://appliedsciences.nasa.gov/what-we-do/capacity-building/arset