Summer School on Digital Humanities

Web site: https://bit.ly/dt4h-gis

Augusto Ciuffoletti

20 giugno 2025



• The user installs a GIS application on the PC



- In this scenario
- Quantum
- Runs on Windo

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 - Developed and maintained by volunteers
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 - In Labels, select Single label and choose the field for labeling the points (e.g., select the name field)



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- Click on
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- Add an Attribute ("desc") to the Features
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For each point compute a new field with distance from Rome in degrees

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 - make_point(12.5, 41.9) corresponds to Rome (long, lat)
- Note: to see meters conversible is needed, from EPSG: 4326 to EPSG: 3857, using the transform function



For each point compute a new field with distance from Rome in degrees

- Select a layer and click the Open Attribute Table button in the toolbar
- Click CTRL+I or the abacus icon in the attribute table window
- Input a name for the new field (e.g., Lat)
- Choose a type for the field (e.g., *Decimal Number*)
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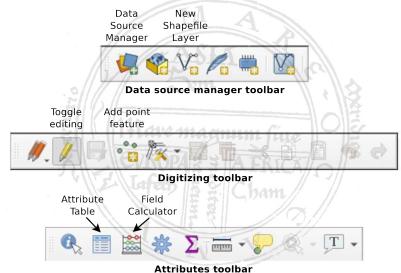
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GUI Toolbar Icons (Quick Reference)



Lab Activity

- (Basic) North of La Spezia, there is a region called "Cinque Terre".
 The name comes from five fishing villages: Corniglia, Manarola,
 Vernazza, Monterosso, and Riomaggiore. Set a Point for each
 village and display a label with its name on the map.
- (Intermediate) Draw a sea route visiting all the villages, starting from Levanto (another small town to the north). For this create a new LineString vector, enable editing, select Add Linear Element and mark waypoints with the left button. Right button to close the LineString.
- (Intermediate) Convert the line to a new layer of vertices using Vector -> Geometry Tools -> Extract Vertices
- (Advanced) Compute the longitude and latitude of these points, and label each one with a string "(long, lat)" using the concat function in the calculator.

