# The many ways of GIS for digital humanities

Summer School on Digital Humanities

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

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9 giugno 2025



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Concepts that simplify access to geographic data



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A sample query that creates a new feature:

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# GeoJSON: maps as JavaScript objects

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"propenties": { 'Ein /: Pist /:

"geometry = { htype": "Paint", tagrdpares": [ 10.41, 43.72 ] } }
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client = MongoClient "honold
db = client["gis\_da\_tonse"] #
collection = db["mattyper"]
# insert the featur
collection.insert\_one
{ "type": "Feature",

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client = MongoClient "mongodb: //localbett;7017") # Connect to DB
db = client["gis_database"] # Select a database
collection = db["map_tayer"] # Select a collection
# insert the feature
collection.insert_one
{ "type": "Feature",
    "properties": {"name": Pisa"},
    "geometry": {"type": "Point", "coordinates of [8, 41, 43.72]};
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 Note: the insert\_one call corresponds to the SQL INSERT query seen above

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# Going deeper

The rest of this tutorial is divided into six introductory hands-on sessions:

- Fundamentals of QGIS
- Working with OpenStreetMap
- Creating Maps with uMap
- Using GaiaGPS for Field Data
- Georeferencing in QGIS
- Introduction to the Leaflet Library