

Studio Assignment 2 (Part 1): GIS Practicum Legacy Artifacts and Geospatial Research

Deadline for Part 1 - Points: by Sunday, 2/17, 11:59pm

Check-In for Part 2 - Visualization: by Wednesday, 2/27, 2:45pm – share presentation with Professor Lieberman and/or Sarah Osailan for feedback before the final deadline

Final Deadline: Share final presentation with Professor Lieberman by Sunday, 3/3, 11:59pm

It's often thought that archaeology provides us with a snapshot of daily life in the ancient world, a moment that has been hermetically sealed in time. But, how true is this claim? Can we really take artifacts from the excavations of ancient places, put them back into the spaces in the city, and reach a clear understanding what life was like thousands of years ago? For this assignment, we're going to focus on Pompeii, a site that has been hailed for centuries as the Roman city *par excellence*. Over the course of the next few weeks, we will use the artifacts published in the book by Pagano and Prisciandaro (2006) *Studio sulle provenienze degli oggetti rinvenuti negli scavi borbonici del regno di Napoli* to map the finds from the early excavations of Pompeii. We will use a custom map provided by the [Pompeii Bibliography and Mapping Project](#) (PBMP) as our base plan. [A previous class](#) of students at the University of Massachusetts, Amherst developed a comprehensive database of these finds, examining their varieties and distributions across time. We will build off of their efforts by adding a spatial dimension, not only asking *what* these artifacts were and *when* they were identified, but also *where* they were located in the urban topography.

To do this, students will be assigned an equal share of the objects in the [database](#) to place inside the specific locations in the PBMP map. A [login to ArcGIS Online](#) will be provided and an introduction to GIS in Archaeology workshop will be led by DH@CC Digital Research Studio Fellow Sarah Osailan in class on Wednesday, 2/13. The locations, specific buildings or properties, are listed by their address (Region, insula, door number) which can be found in the PBMP map itself and by consulting the excellent [Pompeii in Pictures](#). A point representing the object recovered will be placed inside the building along with its PP number. Placing the objects is Part 1 of the assignment, and it must be completed **by Sunday, 2/17, 11:59pm**.

When all the objects are represented by locations, the Professor Lieberman and Sarah will join the rest of the information from the database to those points and we will learn how to visualize, interpret, and present the results. Each student will then be asked to interpret the results of the her/his assigned objects as well as of the entire city in [an online map presentation](#). The visualization and interpretation is Part 2 of the assignment; the final link to your presentation must be shared with Professor Lieberman **by Sunday, 3/2, 11:59pm**.

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Part 1

Get to the map:

Go to and login to [ArcGIS Online at The Claremont Colleges](#).

1. Go to “Groups” tab.
2. Search for “DGHM150”.
3. Click on “DGHM150” group.
4. Click on the “DGHM150_Pompeii” map.
5. Click “Open in Map Viewer”.
6. You are logged in and using the group Pompeii map. Explore the map and its functions: turn various layers off and on to see what information they provide

Get to the Data:

1. Go to the “[Objects of the Earliest Excavations](#)” spreadsheet.
2. Find your assigned objects.

Plot the Objects in the Map:

1. In the Map, click on the “Add” button and select “Add Map Notes”.
2. Rename the Map Notes: “SA2_YOUR LAST NAME”.
 - A new panel of tools appears. We’ll deal with these soon.
3. Switch to the spreadsheet, look at the GIS_ID the for your first object.
4. Switch back to Map, and navigate to the appropriate Region, insula, then zoom down to find the property labeled w/ that GIS_ID.
5. Click the Stickpin tool on the panel of tools on the left. Within the boundary of the property, place a Stickpin.
 - Avoid large open areas.
 - Avoid features on the floor (in brown).
 - Prefer the front over the back of the property, generally.
6. A dialog box will appear. Add the UNIQUE_ID to the Title field (e.g., PBMPA_0001, PBMPA_0002, etc.).
7. Close the dialog box.
8. Continue to navigate around the map and drop pins until all objects you have been assigned have a pin and UNIQUE_ID in the Title field.

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Saving the Map:

1. After the first few pins, it'll be important to save your map and work. Click on the **Save** button at the top of your browser. Choose "Save As"
2. Replace "Copy" with "YOURLASTNAME" and save.

Leave the tab open as long as possible and try to drop and label all your pins in one go.

Saving and Sharing the Data:

1. When all pins are placed and all data are attached, click on the "..." beside your layer and select "Save Layer"
2. The Layer name should be correct; add tags so that your layer can be properly grouped: "PBMP", "Pompeii", "DHCCStudio", "SA2".
3. Add a summary like, "Points created by [your name] as part of Studio Assignment 2 for DGHM150."
4. Upon clicking "Create item", a new data set is created and stored in you "My Content" folder.
5. Click on the "Home" menu in the upper left corner and go to "My Content".
6. Click on the Yellow and Red Map Feature layer that you just created.
7. Click on the "Publish" button.
 - a. This turns the data into a service anyone (with access) can use and share.
8. Click the "Share" button. Make sure to check off "Everyone(public)" and the "DGHM150" group and click "OK".
9. Go to the "Groups" tab at the top of the page. Click on the DGHM150 group. Check to make sure that your layer has been added to the group.
10. Email [Professor Lieberman](#) by **Sunday, 2/17, 11:59pm** to tell her that you've shared your points.