Advanced Applications of Computer Science to Cultural Heritage [CM0579]

Online Activity

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The following questions should be solvable using material directly presented in class. In particular, you will find a series of exercises to practice with R. You are invited to use the forum to ask questions, clear up doubts and work with your colleagues.

Geospatial Data

1. Construct a small dataset of important places in your life, possibly including things such as your home location, work location, and favorite coffee shop.

2. Manually add latitude and longitude to the data (can be extracted from many online tools such as Google Maps).

3. Plot the places on a scatterplot.

4. Now create the plot using the `snippets` function.

5. The plot should provide proper labelling for each point.

6. Also adjust the aspect ratio.

7. Now try increasing and decreasing the extent of the plot by adding/removing locations.

8. What features appear and disappear as the map area becomes smaller?