

Exam Simulation

ADVANCED GEOMATICS

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Part 1

Check the file 22yr_T10MN and understand its content.

Read the file 22yr_T10MN and extract the geometries and the annual average column from the file.

Make sure you understand what kind of geometry best represents the dataset.

Part 2

Define a variable for a possible country name to do the extraction on.

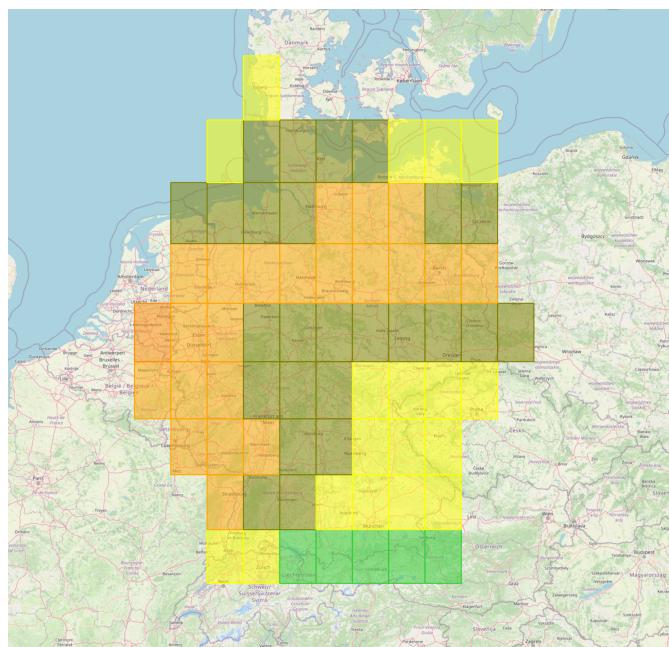
Get the geometry of the country from the Natural Earth dataset using that name.

Part 3

Create a proper colortable to best represent the annual average values.

Render the geometries for the identified country on a map canvas.

The result should look like:



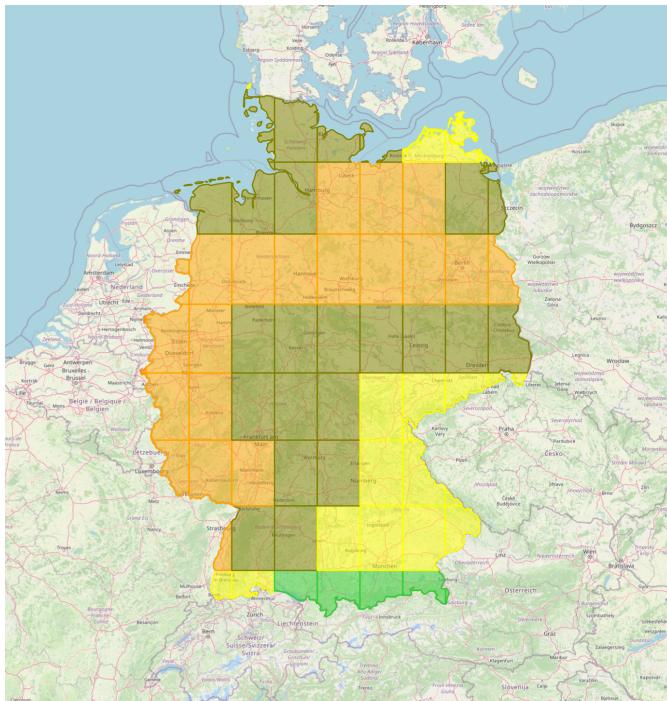
Part 4

Make sure the same script works for the dataset: 22yr_T10MX.

Part 5

Adapt the cells to the shape of the country they belong to.

The result should look like:



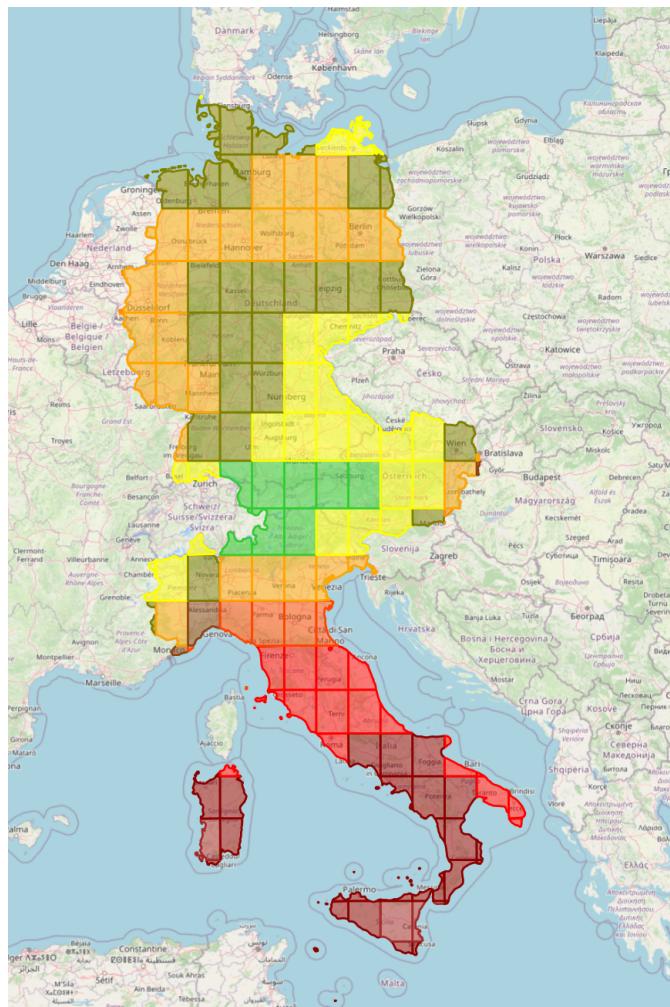
Part 6

Change the script to allow multiple countries to be used. I.e. the country variable should be a list of country names.

For example:

```
countries = ["italy", "austria", "germany"]
```

The result should look like:



Part 7

Make the column of the file to plot a variable.