Ed Oughton
March 20th 2023

Clipping raster flooding layers by country boundary

These tasks all cover basic material in the course content over the past few weeks. The Mason honor code applies.

- The aim is to complete Exercise 1.2 and 1.3 in notebook 8.01.
- Firstly, compile the code in the usual country-level loop and export the .tif flooding layer for Rwanda.
- Secondly, carry out the same processing for Granada. You will need to re-export and process the "national_boundary.shp" file as carried out in Assignment 3.

You should write a codebase which utilizes the global layers for both boundaries and the flooding raster data. Your aim is to have a loop which processed by Rwanda and Granada, but which could be scaled later to lots of countries.

50 points are available for providing the correct code, with the remaining points available for submitting the correct .csv data file. The easiest way is copying screenshots of your notebook into your submission document, so the answers can be reviewed on blackboard (just make sure the code/text is large enough).

Due 11am on Monday 27th March 2023.