GEE Code – Instructions for using the code for your own analysis

https://code.earthengine.google.com/87f8fd4323288e2f722df37c71f95f5b?accept_repo=users%2Fmayanaclark%2FUHEAT

The following lines of code will need to be changed to run the SPI and VCI analysis for your own study area and study period. Save the results of this exercise for use to complete the homework assignment. Please upload a screenshot of your results to this Google Drive by August 15, 2024 using the naming convention "LastName_FirstName_ARSET_Drought".

- Follow the instructions in lines 30–44 of the code for selecting your own area of interest (AOI). You will need to **delete the AOI provided in the demonstration** before creating your own AOI.

- Lines 52–53: rename the variable to the country of your choice and change the filter to select this country. Change the value in the print statement to the name of the country.

- Lines 55–56: comment these lines so they are not used when running your own script.

- Line 59: Change the variable name to the country you selected in lines 52–53.

- Line 62: Change the variable name to the country you selected in lines 52–53.

- Line 65: comment this line so it is not used when running your own script.

- Line 74: Change the date to calculate the SPI for your own study period.

- Line 99: Change the value for calculating SPI at the time step of your choosing (see line 96).

- Line 139: Change the variable name to the country you selected in lines 52–53.

- Line 228: Change the min/max values for the results from your own SPI analysis.

- Line 337: Change the name of the map title (if applicable).

- Lines 460–468: Uncomment these lines if exporting the results to your Google Drive.

- Line 502: Change the second parameter in parentheses to the country selected in lines 52–53.

- Lines 523–524: Change the values for month and year respectively for your own calculation of VCI.

- Lines 594–595: Change min/max values for the results from your own VCI analysis.

- Lines 608–618: Uncomment these lines if exporting the results to your Google Drive.