==== EXERCISE 03, FIRST YEAR PROJECT 2022, PROJECT 1

Doing this exercise is doing work for your submission. You do not have to finish all the points listed below within the exercise time of 2 hours! Use the exercise time to start (with help from TAs), and then finish everything within 2 days together with your group. The next exercise will build on that.

- Properly merge the corona and weather data
-- To do so, you'll need to reuse code from exercises 01 and 02, specifically adding the regional iso codes to the corona data, and filtering/cleaning the rows/columns of the weather data
-- How many rows are you losing from both dataframes, if any? Why?
-- Calculate the simple pearson correlation between the number of cases and each weather variable, along with a p-value
-- Calculate Spearman and log-log Pearon correlations (and the p-values) between the same variables you used at the previous step
-- Perform a Bonferroni correction on the p-values of the correlations you calculated
-- Using the statsmodels.stats.multitest.multipletests function, perform a Holm-Bonferroni correction. What are the different hypotheses for which Bonferroni and Holm-Bonferroni disagree?