Session 1- Practice Problems

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Problem 1

1. Load the civil war dataset.
2. Select 3 numerical variables of interest. Create a data frame with just those three variables along with the variables "country" and "year."
3. Of those three variables that you selected, find their means, medians, maximums, and minimums.

Problem 2

1. Using the data frame you created above, create a new data frame that only contains observations from Argentina, Chile, Paraguay, and Uruguay. Calculate the averages of those three variables that you selected.
2. Select one of the three variables and calculate its average separately for Argentina and Chile. What is the difference in the two means?

Problem 3

1. Using the original data, create a "dummy" variable for observations where the value is 1 if the country is located in Sub-Saharan Africa and 0 otherwise.

2. Then create a data frame with only those observations from Sub-Saharan Africa. How many observations are there?

3. Bonus: Can you create a dataframe for only oil-exporting countries in Sub-Saharan Africa? What is the median GDP per capita in these countries? How does this compare with all of the countries in Sub-Saharan Africa?