

## Exercise: Introduction

### Task 1

Prepare your working space and set your directory.

### Task 2

Download the excel sheet "WDI\_selected" and the dataset "Country\_classification" which are provided in the Stud.IP folder and save them in the folder of your working directory. Import the excel sheet "WDI\_selected". Make sure that the first row is imported as variable names. Explore the dataset with different commands.

### Task 3

Drop the "TimeCode" variable and rename the variables "Time" "year", "CountryName" "country" and "CountryCode" "code". Destring all other variables.

### Task 4

Merge the data with the dataset "Country\_classification". Explore for which part of the data matching failed and drop these observations.

### Task 5

Generate a numeric variable which depicts the income group a country belongs to and which uses value labels for the income group.

Bonus: Try to ensure that the numeric values are ordered from the lowest income group (L) to the highest income group (H). This might involve several steps/variable generations.

### Task 6

Generate a variable which contains the total of GDP for each income group and year. Create pie charts for 2000 and 2015 denoting the shares of each income group in total GDP. Combine the charts in one graph and save it as a .png and as a .pdf file.

### Task 7

Generate a variable which contains the difference between male and female under-five-mortality. Show the mean difference by income group and year in a table.

Generate a variable containing the mean difference for each income group and year. Use one graph to show the evolution of the variable over time by income group.