**Beginner** *(Best for those with limited or no prior R or Tables/Listings/Figures experience)*

Here are specifications for some basic function to build the table.

* **basic\_table** – creates rtables layout with 1 column and zero rows. It is a first step to create the empty layout, which is updated when using the other functions to create the desired table output
* **split\_cols\_by** - declaring a column-split based on levels of a variable, which splits columns across the header of the table.
* **split\_rows\_by** - add rows according to levels of a variable(s).
* **add\_colcounts** – add the column population counts to the header. The denominator source is controlled during the table build time.
* **analyze** - generate rows analysing variables across columns
* **build\_table** - create a table from a layout and data

The input ADaM are: ADVS and ADSL taken from admiral - as for the tables exercises it is better to show more patients than just the few used in the preceding admiral exercise.

Using pre-prepared data: ADVS and ADSL as input, try out the provided R code “beginner\_exercise.R” containing calls to rtables functions in order to create the table.

Run the code, and examine the input and output table.

Explore the documentation for the functions you have used here, to help understand the arguments used in the code:

* <https://roche.github.io/rtables/reference/basic_table.html>
* <https://roche.github.io/rtables/reference/split_cols_by.html>
* <https://roche.github.io/rtables/reference/split_rows_by.html>
* <https://roche.github.io/rtables/reference/add_colcounts.html>
* <https://roche.github.io/rtables/reference/analyze.html>
* <https://roche.github.io/rtables/reference/build_table.html>

Now, try using your advs to answer the following questions:

1. How many columns are there in the tables?
2. What is the source for the N (table denominator)?
3. Which statistics were used in analyses?

If you finish all the above, then have a read through the following pages, which will help you get a wider appreciation of the rtables:

* Introduction to Clinical Trials Tables: <https://roche.github.io/rtables/articles/clinical_trials.html>