Smart ways to perform common tasks in R April 2021

Disclaimer: I have nothing against the tidyverse way of doing things (I just barely understand why we really need another "rlang", and I regret the problems of reverse dependencies that it may have caused in the past). If that suits your needs, that's all fine. If on the contrary you get stuck on basic data manipulation stuff, or built-in one-liner R functions don't play well with "tibble", then you're probably going in the wrong direction. Start with Phil Spector's textbook [1], then eventually learn a bit of plyr [2]. The 80% of time spent in data manipulation, as we use to say, is not a joke: You will likely spend most of your time switching from long to wide format, aggregating data all over again and again, and not just before even you start building your super nice statistical model.

References

- [1] Phil Spector. Data Manipulation with R. New York, NY: Springer, 2008.
- [2] H Wickham. "The Split-Apply-Combine Strategy for Data Analysis". In: *Journal of Statistical Software* 40.1 (2011).