Using R (RStudio + Tidyverse)

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## Introduction

The purpose of this chapter is to provide you with an introduction to the free statistical software R along with RStudio and the tidyverse packages. While R can have a steep learning curve and be intimidating to new users, especially those new to coding, RStudio and the tidyverse packages help to make R much more accessible. Beyond this, these tools are also intentionally designed to make users more productive with R and improve the reproducibility of their work.

RStudio is an integrated development environment (IDE) specifically designed to help users be more efficient and effective with R (and Python). The tidyverse, as described on its is a popular collection of packages or libraries that all share an underlying design philosophy, grammar, and data structures.

The tidyverse is an opinionated collection of R packages designed for data science. All packages share an underlying design philosophy, grammar, and data structures. (“Tidyverse” 2024)

## Dataset

## Conclusion

## Research essentials

## Questions for further investigation

## Suggested further reading

## References

“Tidyverse.” 2024. <https://www.tidyverse.org/>.