



## 1.3.2: Data Wrangling

### (Asynchronous-Online)

#### Session Objectives

1. To read in data.
2. To subset data.
3. To select, create, and modify variables.
4. To filter the observations according to a certain condition.
5. To explore and summarize data.
6. To run descriptive statistics.

Key points to cover: 1. Import data. 2. Introduce to tidyverse. 3. Summarize data and run descriptive statistics. 4. Introduce other resources (e.g., books, blogs, or websites) trainees can refer to.

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#### 0. Prework - Before You Begin

introduction to tidyverse

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## 1. To read in data.

importing data

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## 2. To subset data.

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### 3. To select, create, and modify variables.

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**4. To filter the observations according to a certain condition.**

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## 5. To explore and summarize data.

base r - summary stats

making tables

gtsummary package

other packages - arsenal, tableone and Rmarkdown formatting of tables... get inspired

table competitions

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**6. To run descriptive statistics.**

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## References

R Core Team. 2024. *R: A Language and Environment for Statistical Computing*. Vienna, Austria: R Foundation for Statistical Computing. <https://www.R-project.org/>.

## Other Helpful Resources

[Other Helpful Resources](#)