

# Welcome & Setup

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# Welcome — What Makes a Good Table?

# Why Tables Matter

- Tables summarize key results.
- Tables support reproducible communication.
- Tables are central to scientific and business reports.

# What Makes a Good Table?

## Clarity

- Clear headers
- Easy-to-scan layout

## Simplicity

- Focus on key information
- Avoid unnecessary styling

## Reproducibility

- Programmatically generated
- Easily updated with new data

# Publication-Ready Table Checklist

- ☐ Descriptive column labels
- ☐ Minimal ink (avoid chartjunk)
- ☐ Consistent formats (decimals, currency, etc.)
- ☐ Proper alignment
- ☐ Source & footnotes included



# Setting Up Your R Environment

# Essential R Packages for Tables

```
1 install.packages(c(  
2   "knitr",      # Core for dynamic reports  
3   "kableExtra", # Beautiful HTML/PDF tables  
4   "gt",         # Elegant table grammar  
5   "flextable",  # Word/PowerPoint integration  
6   "DT",         # Interactive tables  
7   "officer"     # Export to Word/PowerPoint  
8 ))
```