

Importing Data from Excel into R

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Statistical Modeling in R

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Outline

Exporting from Excel to Text File

save, copy, txt, csv

R Packages to Read Directly from Excel

openxlsx, readxl, tidyxl, XLConnect, xlsx

Issues

multiple tables, sheets, formulas, table location, table layout

Exporting from Excel to Text File

Save

- Export from Excel to text file

- Works if the Excel data has a simple format

- Open the file in text editor to see how it looks

Copy

- Clean up in text editor, then save as text file

- Sometimes necessary when exporting directly does not work

Text file format

- CSV (comma-separated values) is often the best text file format

R Packages to Read Directly from Excel

Package	Dependencies	Downloads	Commentary
openxlsx	3	375	minimal dependencies
readxl	18	726	many dependencies, tibble
tidyxl	2	1	cumbersome for rectangular
XLConnect	Java + 1	4	recognizes table object
xlsx	Java + 2	29	intermediate functionality

Downloads = thousands of downloads per month

Issues

multiple tables

sheets

formulas

table location

table layout