

# A Short Introduction to Working With Data in R

## EXTRAS

Jonathan Whiteley

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- 1 Downloading Data From the Internet
- 2 Exporting to other formats

# Section 1

## Downloading Data From the Internet

# Downloading Data From the Internet

## Section 2

### Exporting to other formats

# Writing to Microsoft Excel™ files

Packages that can write to Excel files:

- **xlsx**: read, write, format Excel 2007 (.xlsx) and Excel 97/2000/XP/2003 (.xls) files.
  - ▶ Depends on Java and the rJava package
- **XLConnect**: comprehensive and cross-platform R package for manipulating Microsoft Excel files (.xlsx & .xls) from within R.
  - ▶ Requires a Java Runtime Environment (JRE)
- **openxlsx**: simplified creation of Excel .xlsx files (**not** .xls).
  - ▶ *No dependency* on Java
- **writexl**: portable, light-weight data frame to **xlsx** exporter.
  - ▶ No Java or Excel required

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I recommend *avoiding* exporting data to Excel files if possible. csv files are easier to read to & write from, and can be read by a wider variety of software (they are more portable).

Automated reports can be produced with R Markdown and output to a variety of more portable formats (pdf, HTML, etc.) instead.

# References (Extras)

CANSIM / CODR data:

- An ecosystem of R packages to access and process Canadian data
- Analyzing Canadian Demographic and Housing Data