

EPPS 7v81 Advanced Data Programming

Exercise 7

- I. Try out the power of tidyverse
 - a. Import data
 - i. Use read.csv() Read and create a new dataset using following API links:
 - II. US county data (<https://bit.ly/3gZKFve>)
 - III. US state data (<https://bit.ly/30dEWLB>)
 - b. Visualize
 - i. Create simple plots from each dataset
 - c. Collect data
 - i. Use rvest() to scrape the Wikipedia data table List of countries by external debt (<https://bit.ly/2DCvmdt>)
 - d. Clean up data
 - i. Make variables ready for analysis
 - II. Remove unneeded characters
 - III. Convert variable types
- II. Week's challenge:
 - a. **How big data change social science research?**
 - i. Social media data
 - ii. Computational methods
 - iii. Reporting findings
 - b. Read:
 - i. *How Facebook, Twitter and other data troves are revolutionizing social science*
(link: <https://go.nature.com/3exPc6k>)
 - ii. *Study Designs for Quantitative Social Science Research Using Social Media*
(link: <https://bit.ly/3j4aJXT>)
 - c. Write out bullet points for your **own** new strategy of conducting social/political/policy science research. What new tools you will use to keep you up-to-date?