Tidy Tuesday

Tidy Tuesday is designed to help you practice **data visualization** and **basic data wrangling** in R, but you can use Python or whatever you wish. The data is what it is. Use the hashtag #TidyTuesday on Twitter if you create your own version and would like to share it. Include a picture of the visualisation when you post to Twitter. Focus on improving your craft, even if you end up with something simple! Give credit to the original data source whenever possible. Please sign-in below at the 🐲 Roll Call.

The goal of `TidyTuesday` is to apply your R skills, get feedback, explore other's work, and connect with the greater `#RStats` community! As such we encourage everyone of all skills to participate!

💻 TidyTuesday Website: https://github.com/rfordatascience/tidytuesday
🛠 Tools & Resources:
- R Cheat Sheets: https://rstudio.com/resources/cheatsheets/
- RStudio Cloud: https://rstudio.cloud/

Communities:
- RLadies LA
- R for Data Science (R4DS)
- R for Data Science (book)
- Tidy Tuesday Live (David Robinson) - every week at 2pm PST David Robinson - YouTube

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📅 2022-02-

🐲 Roll Call (Please Sign in) & ___

Zoom: https://ucla.zoom.us/meeting/register/tJArdeivqT4vHNy3rp4nwfogW5EDpOkyGL9o
Organizing doc: 2022-LDW-TidyTuesday
Slides: https://hackmd.io/h-KZ6MzDRESj5T5Dq0Ttxg?view

📅 2021-03-02: Superbowl Ads

🐲 Roll Call (Please Sign in) & last song you listened to

- Leigh Phan / UCLA Data Science Center / leighphan@ucla.edu / Arlo Parks - Cola

- Jamie Jamison / UCLA Data Science Center / jamison@library.ucla.edu
- Reid Otsuji / UCSD Library Research Data Curation Program / rotsuji@ucsd.edu / CHiCO with Honeyworks - Oninomori
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📈 This Week's Data: **Superbowl Ads**

📺 **Tidy Tuesday livestream for today's dataset:**
https://www.youtube.com/watch?v=EHqFDXa-sH4

📅 2021-02-09: Wealth and income over time

☎ Zoom: https://ucla.zoom.us/j/95001415088

Join Zoom Meeting

https://ucla.zoom.us/j/95001415088?pwd=ZHIvamEzZk9mbHc2VFVsVFF0Z3E1QT09

Meeting ID: 950 0141 5088

Passcode: 799445

Examples from twitter - It's convention to also have a link to the github repo

- Income distribution https://twitter.com/richard_vogg/status/1359083011774545920
- Housing inequality https://twitter.com/meghansharris/status/1359151493035786249
- Disparity in Retirement Savings https://twitter.com/JackiePsych/status/1359119559987494912
- Income breaks https://twitter.com/LauraNavarroSol/status/1359270563328450562
- Lifetime earnings https://twitter.com/rjstevick/status/1359221585488543749
- Family student debt https://twitter.com/avrodrigues_/status/1359218369409482752

🐲 Roll Call (Please Sign in)
- Tim Dennis / UCLA Data Science Center / timdennis@ucla.edu / gumbo
- Deanna Beatty/ UCD Evolution and Ecology Department / tacos
- Saumya Umashankar / UCSF - Surgery/ saumya.umashankar@ucsf.edu / pad kee mao
- Austin Covey / UCSB - ENV S & EEMB student / acovey@ucsb.edu / thai curry
- Jennifer Haskell / UC, Davis - Digital Ag Lab / jmhaskell@ucdavis.edu / clam chowder
- Ruwini Rupasinghe / UC Davis - Epidemiology / rkrupasinghe@ucdavis.edu / Fruits

- Jamie Jamison / UCLA Data Science Center / jamison@library.ucla.edu / lentil dahl
- Manfred Zorn / UCSF Manfred.Zorn@ucsf.edu
- Kat Koziar / UCR / katherine.koziar@ucr.edu / sushi
- Gianni Spiga / UCD - Statistics / glspiga@ucdavis.edu / cheeseburgers

- Daniel Momeni/UCD Statistics/ dmomeni@ucdavis.edu
- Jarett Hartman / UCLA Library & Information Science Program / jaretthartman@g.ucla.edu / cornbread
- Claire Chen/ UCI clairecc@uci.edu
- Reid Otsuji/ UC San Diego/rotsuji@ucsd.edu/carne asada fries
- Shelley DeVost / UCSF / shelley.devost@ucsf.edu / black tea
- Ariel Deardorff / UCSF / ariel.deardorff@ucsf.edu / mochi donuts (recent favorite)
- Nikki Jazayeri/UCSD/njazayer@ucsd.edu/ spaghetti
- Vicente Ramirez/ UC Merced/vramirez4@ucmerced.edu/ al pastor tacos
- Ben Tang / California State Library / ben.tang@library.ca.gov / In-N-Out
- WaiYin Kwan/UCSB//free food
- Michael Smith/UCSD/mls003@ucsd.edu/Chicago hot dogs w/ fries
- Andrew M. Jose / UCSB / andrew_jose@ucsb.edu / pastor tacos

📈 This Week's Data: Wealth and income over time

1. What is Tidy Tuesday (5-10m)
2. Load the data - use the tidytuesday package
3. Look at and inspect the available datasets
4. Go into groups based on interest in datasets
5. Report back

Tidy tuesday live with this data: https://www.youtube.com/watch?v=WxKSauhOY4g

Breakout rooms:

Activity: look at the data together, someone shares their screen, what are the first steps with the data? (make a plot ex: student debt by race over time) how would you visualize the data? (15 min)

Student debt: Ariel, Ruwini, Gianni, Daniel, Saumya, Deanna B.
Retirement Shelley DeVost, Manfred Zorn,
Income - Jennifer, Jamie

very ugly graph with dataset income_mean using the year and income_dollars

Home ownership: Gaby A, Austin Covey, Jarett Hartman, reid, Nikki
- Higher percent homeownership for "White" demographic across all years since 1976

📆 2020-10-06: NCAA Women's Basketball Tournament

🐲 Roll Call
- Tim Dennis
- Leigh Phan
- Francesca Milewski, MBA candidate

📈 This Week's Data: [NCAA Women's Basketball Tournament](#)
- Live coding from the tidytuesday:
  https://www.youtube.com/watch?v=-RD8GNCNsCk&feature=emb_title
- Tidytuesday twitter search:
  https://twitter.com/search?q=%23TidyTuesday&src=recent_search_click&f=live

You can read in the data by:
```
tournament <-
readr::read_csv('https://raw.githubusercontent.com/rfordatascience/tidytuesday/master/data/2020/2020-10-06/tournament.csv')

View(tournament)
summary(tournament)

tournament %>%
count(school)
arrange(desc(n))

tournament %>%
tally(school, conf_w)

tournament %>%
group_by(year,school) %>%
 summarise(sum())

tournament %>%
group_by(year, school) %>%
summarise(count = n()) %>%
arrange(desc(count))
```

packages/tools:

- gganimate

📅 2020-04-14: Rap Artists

🐲 Roll Call

- Tim Dennis, UCLA Library Data Science, timdennis@ucla.edu
- Brian Kan, FEMBA 2020

📈 This Week's Data : Best Rap Artists

Examples:
- https://twitter.com/JCollinsData/status/1250094864320081927
- https://twitter.com/MaiaPelletier/status/1250145586759766017

Ideas?:

📅 2020-03-31 - Beer Production

🐲 Roll Call

Name / affiliation / contact
Tim Dennis / Library / @jt14den (yahoo)

📈 This Week's Data

- Beer Production data
  https://github.com/rfordatascience/tidytuesday/blob/master/data/2020/2020-03-31/readme.md

📅 2020-04-06

🐲 Roll Call

📈 This Week's Data