

Practice with Data Transformation

K Arnold

Q&A

| How to sort in descending order?

?`arrange` says: "Use `desc()` to sort a variable in descending order."

| When to fix data types?

Lecture forthcoming :)

| `ggformula`?

Our books don't cover it, but you're welcome to use it.

The RStudio Server...

... has been giving us trouble.

Workarounds

- Install on your own computer
- `remote.cs.calvin.edu`

learnr tutorials

- **Initial setup:** `install.packages(c("learnr", "remotes"))`
- **Update:** `remotes::install_github("CalvinData/ds202calvin")`
- **Run:**

```
learnr::available_tutorials("ds202calvin")  
learnr::run_tutorial("hotels-wrangling", package = "ds202calvin")
```

Proposed Structure Changes

Feedback welcome!

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- Lab
 - still due on Monday
 - But instead of working on it only on Fridays...
 - we'll be working a little each class meeting.

Proposed Structure Changes

Feedback welcome!

- Lab
- Quizzes
 - Prep quiz: unlimited attempts, categorized as Prep
 - Post-class quizzes will sometimes include add an easy but graded question from the day's Lab, closes beginning of next class meeting (unless you ask me)
 - "Real" quiz: one attempt, closes Friday

Proposed Structure Changes

Feedback welcome!

- Lab
- Quizzes
- New semester-long discussion forums
 - *enrichment activities*: Do one or two optional activities throughout the semester, report back to the class
 - ICPSR Data Fair next week, "Philosophy of Data Science" podcast, propose others!
 - *Data Science in the News*: share current events related to DS
 - Articles that *use* data science to tell a story
 - Articles *about* data science

Resources

- Cheatsheets
 - Data Transformation (dplyr)
 - Data Visualization
 - R Markdown

Weekly Labs

- This week: Nobel Laureates
- Next week: Covid-19 cases

Propose datasets or analyses you're interested in!

