Flash Cards

Harris Coding Camp

Summer 2023

Name three functions for loading data into R.

Name three functions for loading data into R.

```r
readr::read_csv()   # preferred over base::read.csv()
haven::read_dta()
readxl::read_xlsx()
```

You'll learn about more depending on your needs.

How do you test if a value is *not* missing?

How do you test if a value is *not* missing?

```
!is.na(c(1, NA, 100))
```

```
## [1]  TRUE FALSE  TRUE
```

Take a vector `c('anisfeld', 'mkr')`. What function let's you add `'@uchicago.edu'` to each item?

What function do you use to add '@uchicago.edu' to each item?

paste0() or str_c()

```
cnet <- c('anisfeld', 'mkr')

paste0(cnet, "@uchicago.edu")
```

```
## [1] "anisfeld@uchicago.edu" "mkr@uchicago.edu"
```

```
# tidyverse function in package stringr
str_c(cnet, "@uchicago.edu")
```

```
## [1] "anisfeld@uchicago.edu" "mkr@uchicago.edu"
```

What does this code return? `max(c(100, -10, NA))`

What does this code return? max(c(100, -10, NA))

```
max(c(100, -10, NA))
```

```
## [1] NA
```

```
# if it's safe to ignore NA
max(c(100, -10, NA), na.rm=FALSE)
```

```
## [1] NA
```

Gotchas

Your friend gets the following error. What's the culprit?

```
read_dta("my_file.dta")
```

Error in read_dta("my_file.dta") : could not find function
"read_dta"

What's the culprit?

They need to load the `haven` package

```
library(haven)
read_dta("my_file.dta")

# or use double colons
haven::read_dta("my_file.dta")
```

Your friend gets the following error. What's the culprit?

```
read_xlsx("data/my_file.xlsx")
```

Error: path does not exist: 'data/my_file.dta'

What's the culprit?

1. There's a typo in the file name.
2. The file or folder is not in the working directory.

Your friend gets the following error. What's the culprit?

```
install.packages(bench)
```

Error in install.packages : object 'bench' not found

What's the culprit?

The packages need to be a *character* vector of the names of packages (i.e. in quotes)

```
install.packages("bench")
```

When they use `bench` without quotes, R looks for it in the global environment!