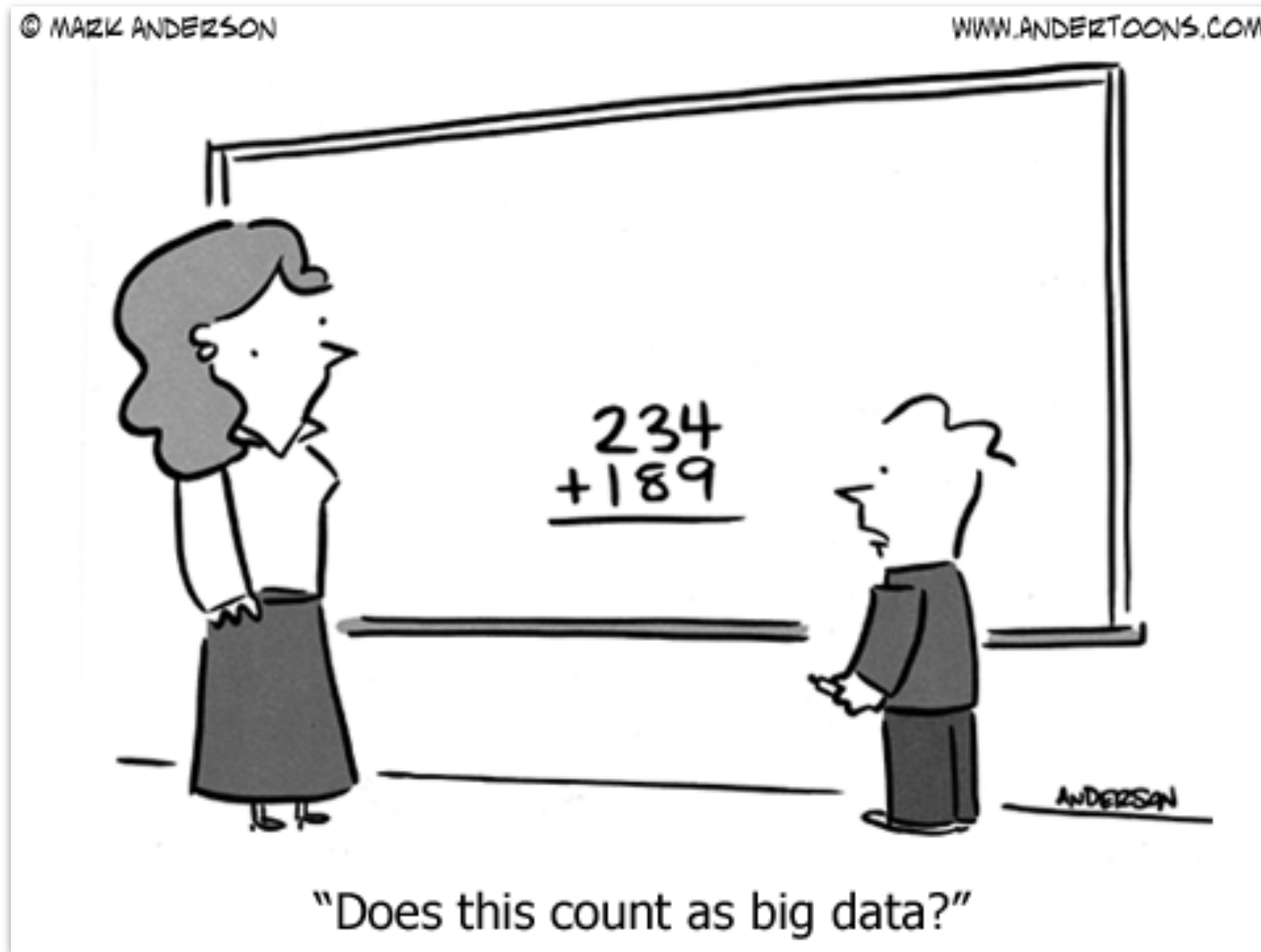


Data wrangling 1

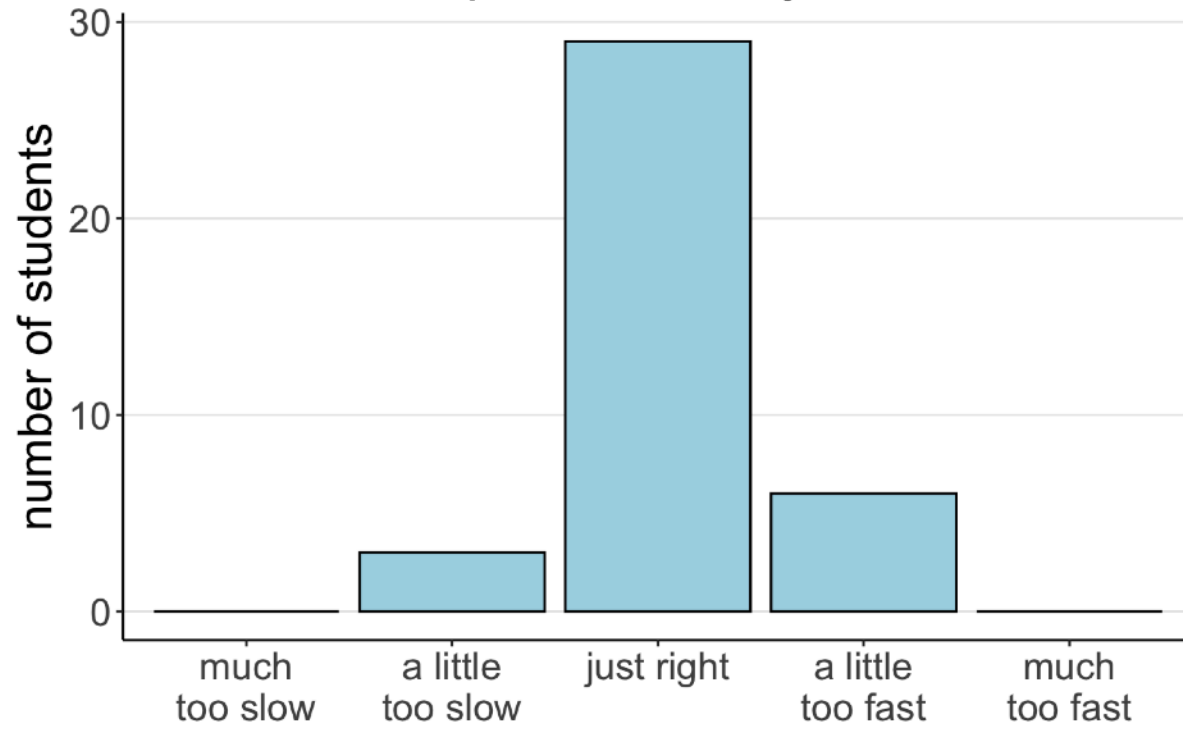


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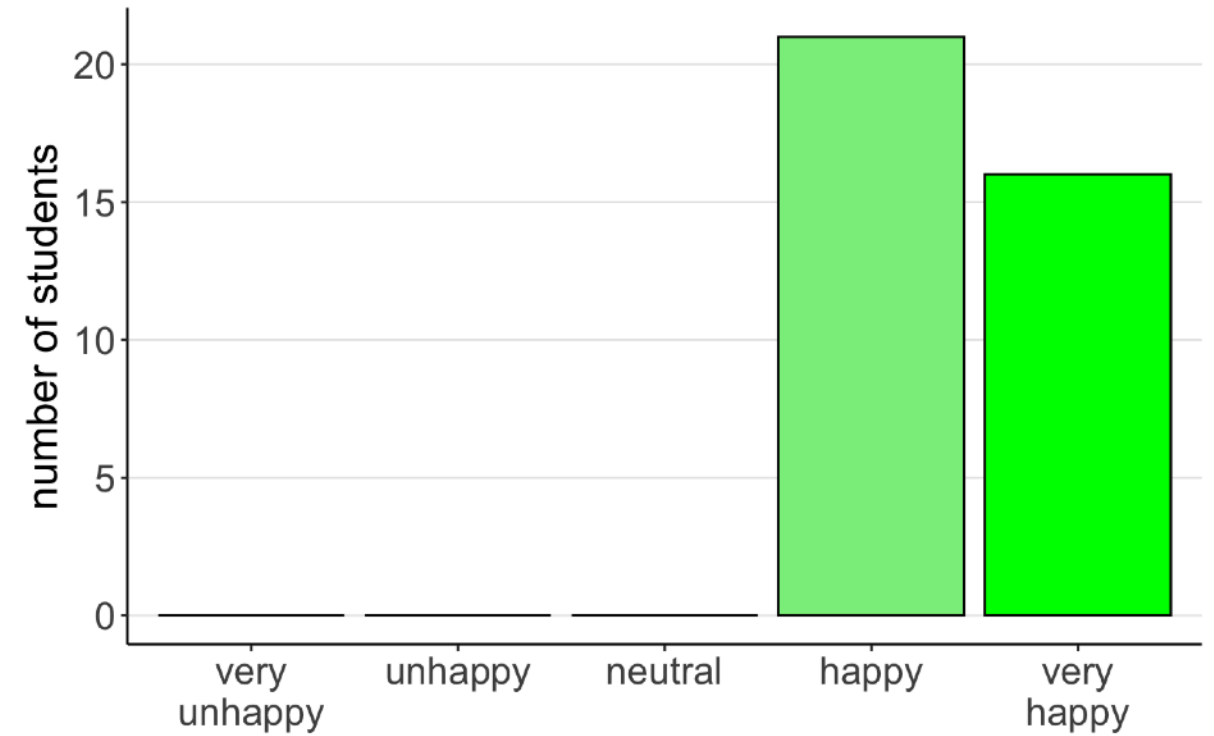
Your feedback

Your feedback

How was the pace of today's class?



How happy were you with today's class overall?

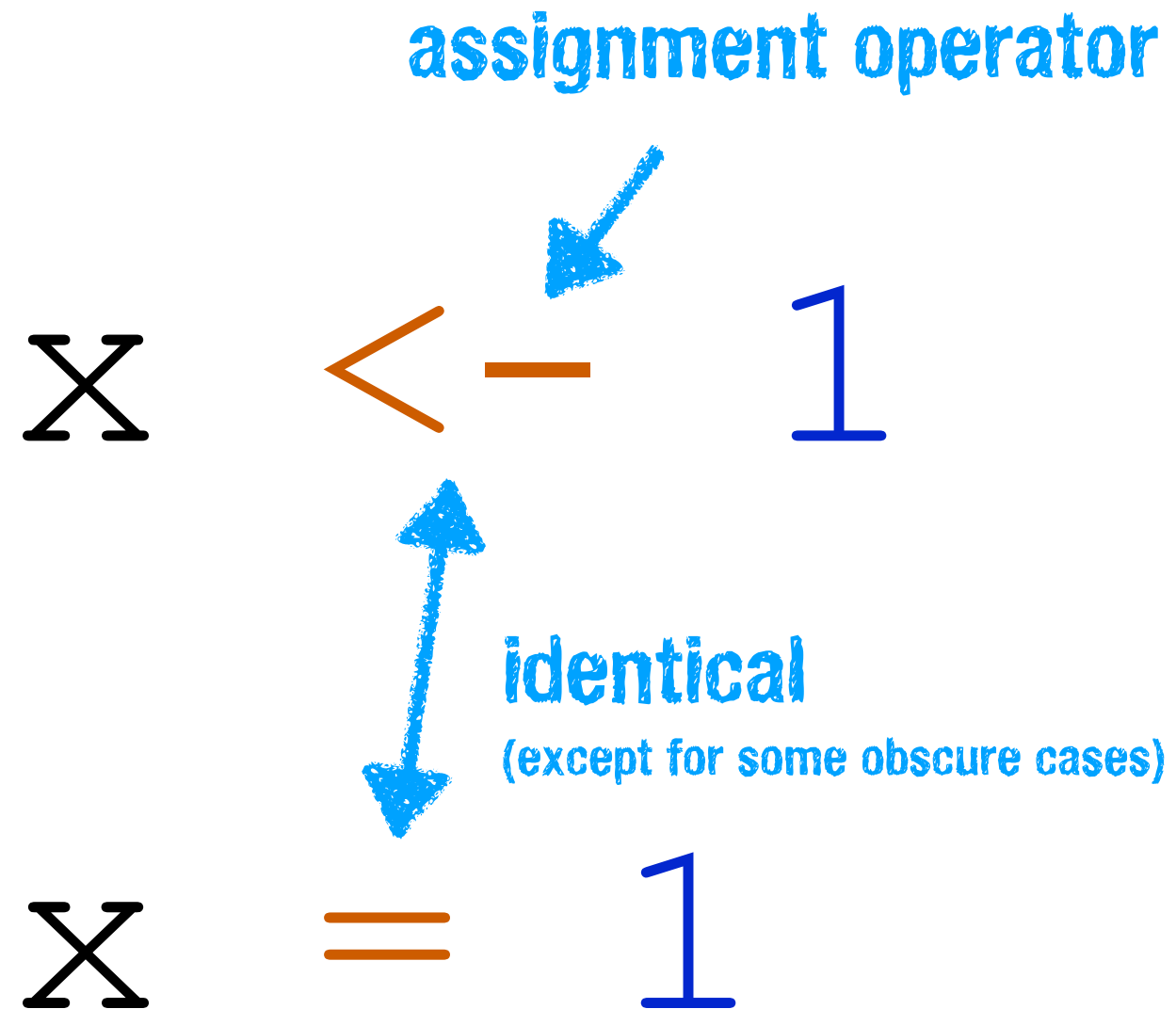


Your feedback

I liked that we were exposed to a lot of different types of graphs and other useful things (such as the keyboard shortcuts). **I would have liked more time to practice those things together.** However, I think we'll get a change to do that in our homeworks and in sections.

Data wrangling 1

Assignment operator



Two styles of coding in R

Base R Cheat Sheet

Getting Help

Accessing the help files

?mean
Get help of a particular function.
help.search('weighted mean')
Search the help files for a word or phrase.
help(package = 'dplyr')
Find help for a package.

More about an object

str(iris)
Get a summary of an object's structure.
class(iris)
Find the class an object belongs to.

Using Packages

install.packages('dplyr')
Download and install a package from CRAN.

library(dplyr)
Load the package into the session, making all its functions available to use.

dplyr::select
Use a particular function from a package.

data(iris)
Load a built-in dataset into the environment.

Working Directory

getwd()
Find the current working directory (where inputs are found and outputs are sent).

setwd('C://file/path')
Change the current working directory.

Use projects in RStudio to set the working directory to the folder you are working in.

Vectors

Creating Vectors

<code>c(2, 4, 6)</code>	2 4 6	Join elements into a vector
<code>2:6</code>	2 3 4 5 6	An integer sequence
<code>seq(2, 3, by=0.5)</code>	2.0 2.5 3.0	A complex sequence
<code>rep(1:2, times=3)</code>	1 2 1 2 1 2	Repeat a vector
<code>rep(1:2, each=3)</code>	1 1 1 2 2 2	Repeat elements of a vector

Vector Functions

sort(x) Return x sorted.	rev(x) Return x reversed.
table(x) See counts of values.	unique(x) See unique values.

Selecting Vector Elements

By Position

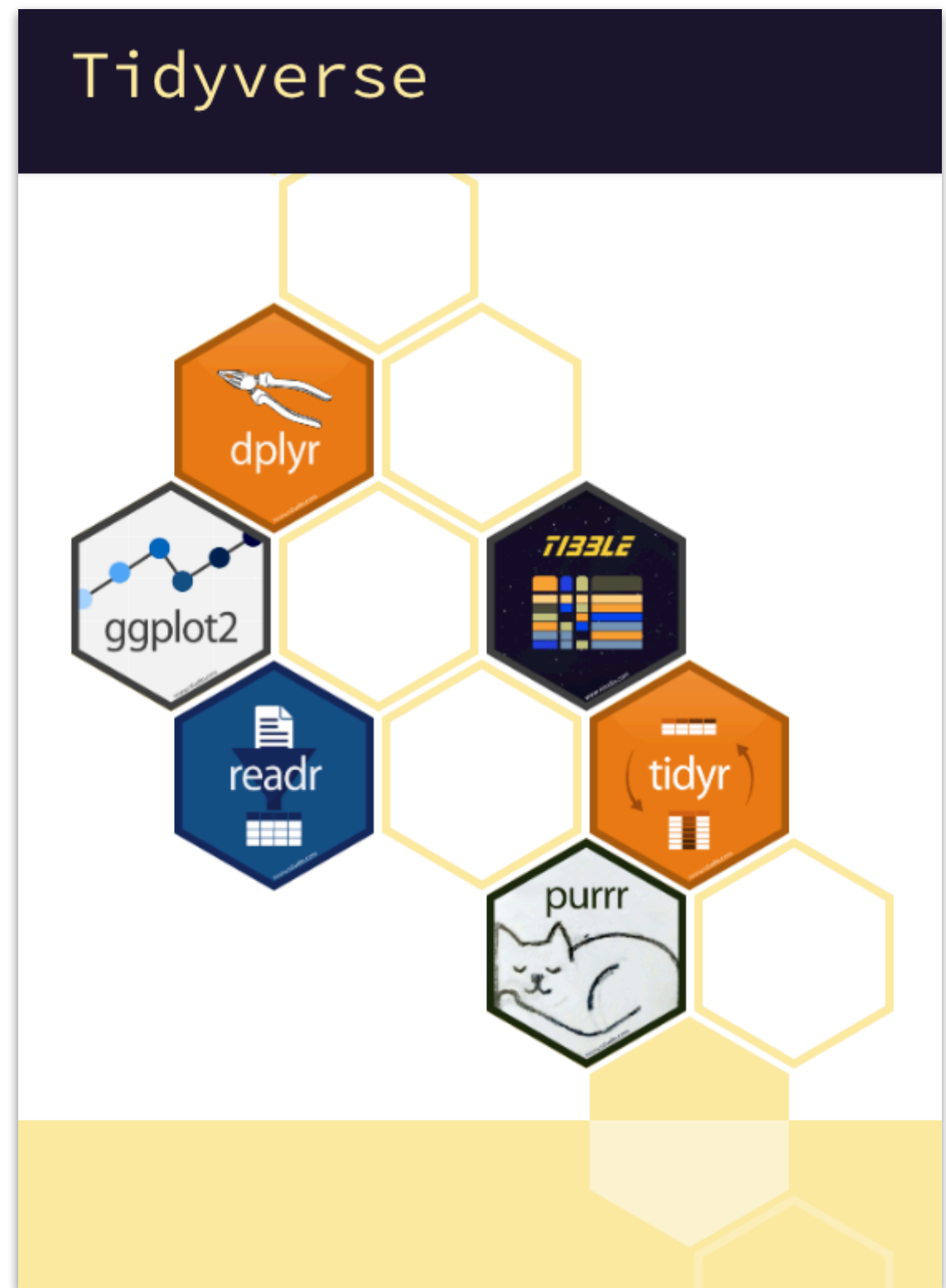
<code>x[4]</code>	The fourth element.
<code>x[-4]</code>	All but the fourth.
<code>x[2:4]</code>	Elements two to four.
<code>x[-(2:4)]</code>	All elements except two to four.
<code>x[c(1, 5)]</code>	Elements one and five.

By Value

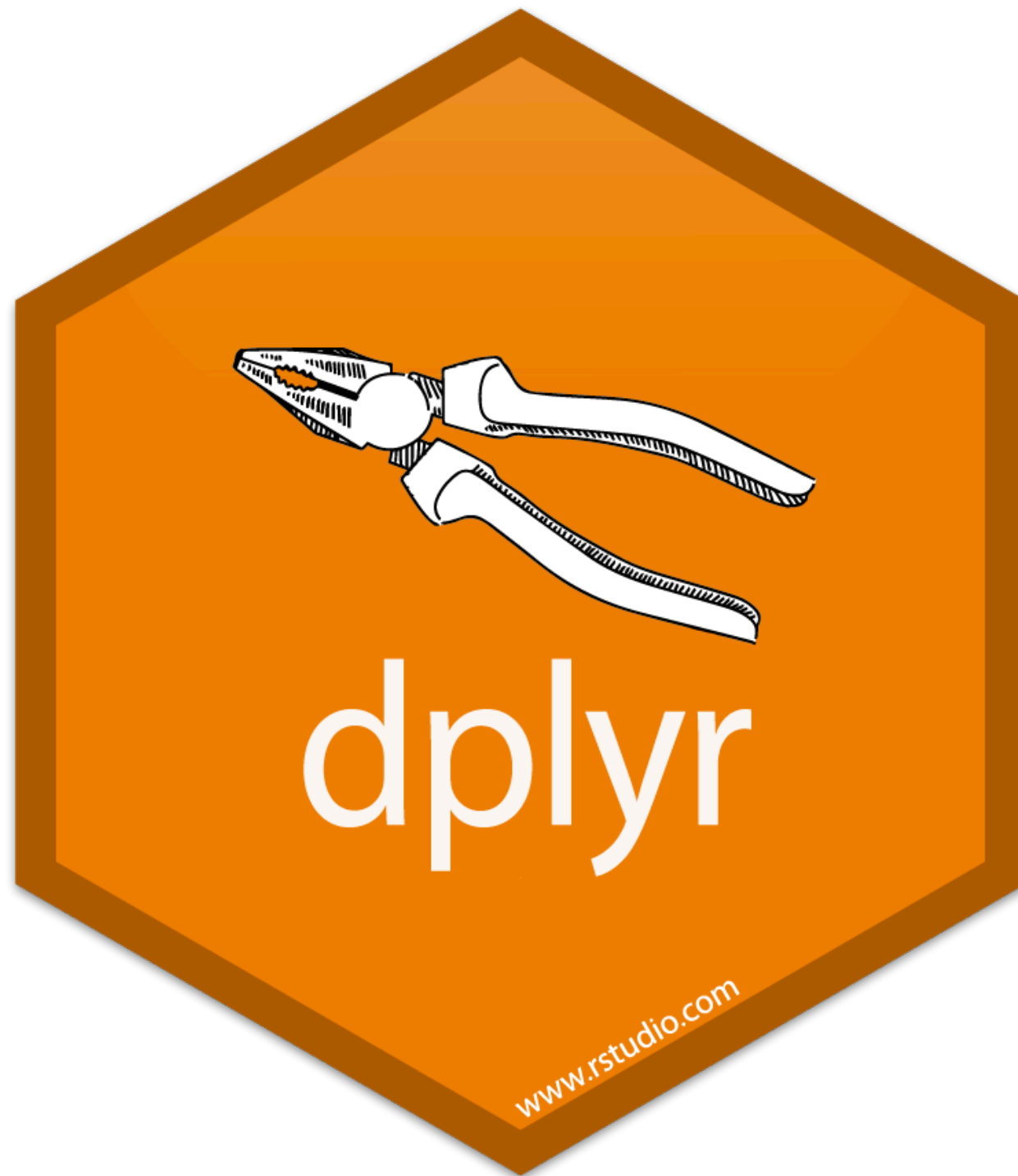
<code>x[x == 10]</code>	Elements which are equal to 10.
<code>x[x < 0]</code>	All elements less than zero.
<code>x[x %in% c(1, 2, 5)]</code>	Elements in the set 1, 2, 5.

Named Vectors

<code>x['apple']</code>	Element with name 'apple'.
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Making Data Wrangling Suck Less

Software can be chaotic, but we make it work



Expert

Trying Stuff Until it Works

O RLY?

The Practical Developer
@ThePracticalDev

RStudio time

STAR WARS



Timers

05:00

I'm done.

blue

Please help.

pink

10:00

I'm done.

blue

Please help.

pink

Feedback

How was the pace of today's class?

much
too
slow

a little
too
slow

just
right

a little
too
fast

much
too
fast

How happy were you with today's class overall?



What did you like about today's class? What could be improved next time?