Introduction to the Tidyverse

Import, wrangle, model, and communicate data

2020-08-22



Working with data in R

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They live as, R packages, each of which does one thing well.

library(tidyverse) will load

the core packages:

ggplot2, for data visualisation.

dplyr, for data manipulation.

tidyr, for data tidying.

readr, for data import.

purrr, for functional programming.

tibble, for tibbles, a modern re-imagining of data frames.

stringr, for strings.

forcats, for factors.



exercises.Rmd

```
title: "Import Data"
output: html_document
___
```{r setup}
 £
library(tidyverse)
library(haven)
In this section, we will learn about importing and exporting files from common file formats, including
CSV and formats from other statistical software using the readr and haven packages.
readr
readr supplies several related functions, each designed to read in a specific flat file format.
Function
 Reads
 | Comma separated values
`read_csv()`
`read_csv2()`
 Semi-colon separate values
`read_delim()` | General delimited files
`read_fwf()`
 I Fixed width files
`read log()` | Apache log files
readr $
```

#### code chunks

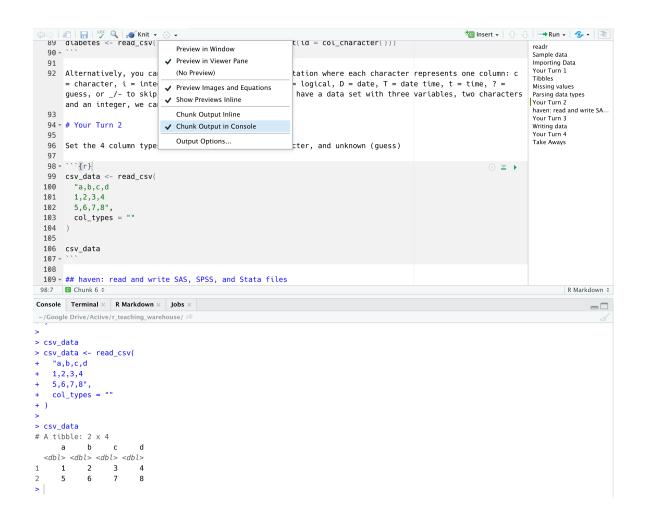
```
csv_data <- read_csv(
 "a,b,c,d
 1,2,3,4
 5,6,7,8",
 col_types = ""
)

csv_data
</pre>
```

# running code chunks

```
```{r}
csv_data <- read_csv(</pre>
  "a,b,c,d
  1,2,3,4
  5,6,7,8",
  col_types = ""
csv_data
                                         b
         a
      <dbl>
                <dbl>
                         <dbl>
                                   <dbl>
                                      4
                   6
                                      8
  2 rows
```

outputting to the console



Project contents

Let's head to https://rstudio.cloud/