

First Org-file

Sample solution

Table of Contents

- [1. My first Org-mode file](#)
- [2. References](#)

1 My first Org-mode file

This Org-mode file prints the structure of the data frame `mtcars` and creates a source code file `first.R` that can be executed on the command line.

```
## print structure of mtcars data frame
str(mtcars)
```

```
'data.frame':  32 obs. of  11 variables:
 $ mpg : num  21 21 22.8 21.4 18.7 18.1 14.3 24.4 22.8 19.2 ...
 $ cyl : num  6 6 4 6 8 6 8 4 4 6 ...
 $ disp: num  160 160 108 258 360 ...
 $ hp  : num  110 110 93 110 175 105 245 62 95 123 ...
 $ drat: num  3.9 3.9 3.85 3.08 3.15 2.76 3.21 3.69 3.92 3.92 ...
 $ wt  : num  2.62 2.88 2.32 3.21 3.44 ...
 $ qsec: num  16.5 17 18.6 19.4 17 ...
 $ vs  : num  0 0 1 1 0 1 0 1 1 1 ...
 $ am  : num  1 1 1 0 0 0 0 0 0 0 ...
 $ gear: num  4 4 4 3 3 3 3 4 4 4 ...
 $ carb: num  4 4 1 1 2 1 4 2 2 4 ...
```

The figure [1](#) shows the tangled file.

```
## My first Org-mode file

## This Org-mode file prints the structure of the data frame ~mtcars~
## and creates a source code file ~first.R~ that can be executed on
## the command line.

## #+name: str_mtcars

## [[file:MarcusBirkenkrahe.org::str_mtcars][str_mtcars]]
## print structure of mtcars data frame
str(mtcars)
## str_mtcars ends here

4 -\--- first.R All (1,0) (ESS[R] [none] Flymake:Wait[0 0] ElDoc)
```

Figure 1: first.R screenshot

2 References

mtcars: Motor Trend Car Road Tests. [URL: rdocumentation.org](https://rdocumentation.org).

R Core Team (2021). R: A language and environment for statistical computing. R Foundation for Statistical Computing, Vienna, Austria. [URL: r-project.org](https://r-project.org).

str: Compactly Display the Structure of an Arbitrary R Object. [URL: rdocumentation.org](https://rdocumentation.org).

N.a. (n.d.). The Org Manual: 16 Working with Source Code [website]. [URL: orgmode.org](https://orgmode.org).

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[Validate](#)