

I. Working with data in R (exercises)

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Basic R commands

8. To start with, load the `tidyverse` package.

```
library(tidyverse)
```

9. Now, load the `trees` dataset by copying and executing the following commands:

```
data("trees")  
view(trees)  
?trees
```

10. Check what information is contained in the `trees` dataset by calling the `summary` function on it:

```
summary(trees)
```

11. How many trees do we have data for?

```
dim(trees)
```

We have 31 rows, so 31 observations.

12. Now, extract the column called `volume` from the dataset and assign it to a new variable called `volume_col`.

```
volume_col <- trees$Volume
```

13. Display the volume of the first 10 trees.

```
volume_col[1:10]
```

14. Find the minimum, maximum and mean volume from the column you just extracted. Does it match what was stated in the `summary`?

```
min(volume_col)  
max(volume_col)  
mean(volume_col)
```

Yes, the values match what was written in `summary` for the `volume` column.

15. What class of datastructure is `trees`? Make it into a tibble.

```
class(trees)  
tib_trees <- as_tibble(trees)
```